

SC-MX10
SC-MX10P
SC-MX10A
SC-MX10AU

Memory
Camcorder
user manual



数码摄像机

用户说明书

imagine the possibilities

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SAMSUNG

key features of your memory camcorder

MPEG4 Encoding

Records enhanced quality video in MPEG4 ASP(Advanced Simple Profile) format (720 x 480) onto memory cards at 30 fps for high resolution, life-like images.

High-capacity embedded Flash Memory (4GB) (SC-MX10A/MX10AU only)

The camcorder has built-in high capacity flash memory that allows you to record movie images.

Various Recording Media

In addition to the built-in flash memory (SC-MX10A/MX10AU only), this memory camcorder supports various storage media like SDHC (Secure Digital High Capacity) and MMCplus.

2.7" Wide (16:9) LCD Display (112K Pixels)

You can see the bigger picture by enlarging the 4:3 aspect ratio into 16:9 wide screen with the 2.7" wide (16:9) LCD screen. The 112K pixel LCD monitor rotates up to 270 degrees for flexible viewing angles and provides sharp, detailed image for monitoring and playback.

Capture Visions Farther Than The Eye Can See (34x Optical/1200x Digital Zoom)

Samsung's powerful optical zoom lenses bring the world closer without sacrificing image quality. In addition, Digital Zoom interpolation means that extreme digital zooming is clearer, with less distortion than previous types of digital zooms.

Various Recording Features

The memory camcorder supports Anti-Shake(EIS) (Electronic Image Stabilizer), Digital Effect and a wide range of other functions that you can select according to the scene you are recording. ➡page 48 ~ 56

主要特点

MPEG4内码

基于存储卡30 fps的高速率，以MPEG4 ASP (Advanced Simple Profile)格式 (720 x 480)录制栩栩如生的图像。

大容量嵌入闪存(4GB) (仅限SC-MX10A/MX10AU)

摄像机内置了可让您录制影片图像的高容量闪存。

各种录制存储介质

除固定内置闪存之外(仅限SC-MX10A/MX10AU)，本数码相机也支持使用各种存储介质。

譬如SDHC (Secure Digital High Capacity)和

MMCplus存储卡。(128 MB ~ 8 GB)

2.7"宽(16:9) LCD显示(112K像素)

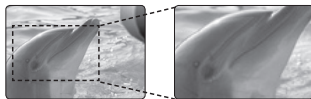
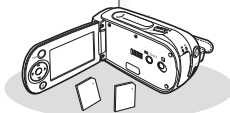
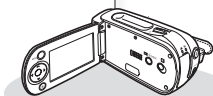
您可以通过2.7"宽(16:9)LCD屏幕将4:3屏幕高宽比放大成16:9宽屏幕以观看更大的图片。112K像素LCD显示器最多可旋转到270度以实现灵活的观看角度，同时可为监视和播放提供清晰、详细的图像。

捕捉比视线范围更远地方的画面(34x 光学变焦/1200x 数字变焦)

三星强有力的光学变焦镜头为您献上超水平质量的图像。另外，数字变焦更加清晰，图像扭曲现象少于早先的数字变焦。

各种录制特点

本数码相机支持防震动(EIS)(电子图像稳定器)，根据录制的场景您可以选择数字特效以及其他的功能。➡第48 ~ 56页



Enjoying Various Playback Features

Unlike tape operation, playback is simple and easy in this memory camcorder since no time is needed for rewinding or fast forward operations. Various functions are available for enjoying many different types of playback. ➡page 58 ~ 61

Play back on your PC

USB 2.0 enables the smooth transfer of movies to a computer. With the bundled software, you can easily transfer and play back your own movies on your PC. ➡page 75

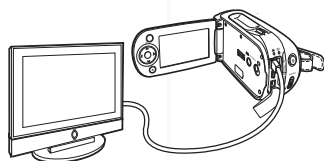
PC Cam for multi-entertaining

Connect the memory camcorder to a PC via a USB 2.0 cable and instantly communicate via live video with business associates, friends and family wherever you are.

享有各种播放特点

不同于磁带操作，因为不需要时间进行倒带或者快进操作，所以使用本数码摄像机播放比较简单容易。

可使用各种功能满足不同的播放类型。➡第58 ~ 61页



在电脑上播放

使用USB 2.0可以将影音文件转移到电脑上。通过提供的软件，您可以轻松地在电脑上转移和播放影音文件。➡第75页

使用PC摄像头

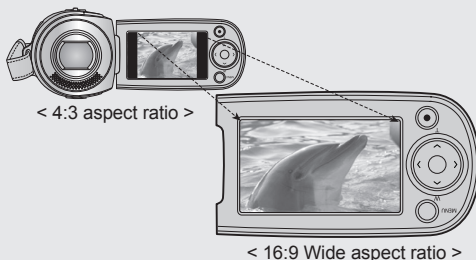
通过USB 2.0数据线将数码相机连接至电脑，无论您在何地都可以与商务伙伴、朋友以及家人进行视频会话。

Versatile 16:9 Wide & 4:3 Display option

You can easily select the display option when recording or playback (16:9 Wide/4:3). Samsung's 16:9 Wide display option lets you monitor more widely on the 2.7" wide LCD screen when recording or playback with your memory camcorder. Ensure your entire movies are recorded in 4:3 aspect ratio regardless of the display option (16:9 Wide/4:3 aspect ratio).





多功能16:9宽屏幕和4:3显示选项

在录制或播放(16:9 宽屏 / 4:3)时您可以轻松选择显示选项。在使用数码相机进行录制或播放时，Samsung 的 16:9宽屏幕显示选项可让您在 2.7" 宽 LCD 屏幕上的监视范围更为宽广。无论显示选项如何，都可确保以4:3屏幕高宽比录制完整的影片(16:9宽屏幕 / 4:3屏幕高宽比)。



safety warning





WHAT THE ICONS AND SIGNS IN THIS USER MANUAL MEAN :

 WARNING	Means that death or serious personal injury is a risk.
 CAUTION	Means that there is a potential risk for personal injury or material damage.
 CAUTION	To reduce the risk of fire, explosion, electric shock, or personal injury when using your memory camcorder, follow these basic safety precautions:
	Means hints or referential pages that may be helpful to operate memory camcorder.

These warning signs are here to prevent injury to you and others.
Please follow them explicitly.
After reading this section, keep it in a safe place for future reference.

安全警告

本说明书中图示和符号的意思：

 警告	意味着有死亡或者会受到严重人身伤害的危险。
 小心	意味着有受到人身伤害或者损失财产的潜在危险。
 小心	当使用数码摄像机时，为了减少火灾，爆炸、电击，或人身伤害的危险，请遵守以下基本安全预防措施：
	对于操作数码摄像机有用的提示或是参考页。

为了您和其他人不要受到伤害，请注意并且遵照这些警示符号以及提示信息。
阅读之后，请您将此内容另行保存，以供日后参考。

important information on use

BEFORE USING THIS CAMCORDER

- This memory camcorder is designed exclusively for high-capacity built-in flash memory and external memory card.
- This memory camcorder records video in MPEG4 format compliant with SD-VIDEO format.
- Please be noted that this memory camcorder is not compatible with other digital video formats.
- **Before recording important video, make a trial recording.**
 - Play back your trial recording to make sure the video and audio have been recorded properly.
- **The recorded contents cannot be compensated for:**
 - Samsung cannot compensate for any damages caused when recording is not made normally or recorded contents cannot be played back because of a defect in the memory camcorder, card. Also, Samsung cannot be responsible for your recorded video and audio.
 - Recorded contents may be lost due to a mistake when handling this memory camcorder or memory card, etc. Samsung shall not be responsible for the compensation for damages due to the loss of recorded contents.
- **Make a backup of important recorded data.**
 - Protect your important recorded data by copying the files to a PC. It is recommended to copy it from your PC to other recording media for storage. Refer to the software installation and USB connection guide.
- **Copyright: Please be noted that this memory camcorder is intended for an individual consumer's use only.**
 - Data recorded on the card in this memory camcorder using other digital/analog media or devices is protected by the copyright act and cannot be used without permission of the owner of copyright, except for personal enjoyment. Even if you record an event such as a show, performance or exhibition for personal enjoyment, it is strongly recommended that you obtain the permission beforehand.

有关使用的重要信息

在使用本摄像机之前

- 本摄像机专门设计来使用高容量内置闪存和外部存储卡。
- 本数码摄像机可录制与 SD-VIDEO 格式兼容的 MPEG4 格式视频。
- 请注意，本数码摄像机与其他数字视频格式不兼容。
- 在录制重要视频之前，要试录。
 - 播放试录的内容，以确保视频和音频都已正确录制。
- 录制的内容无法因以下原因进行赔偿：
 - Samsung 不会对由于录制不当造成的任何损失或数码相机、存储卡有缺陷而导致录制内容无法播放承担任何责任。而且，Samsung 不会对录制的视频和音频承担任何责任。
 - 录制内容可能在处理本数码摄像机或存储卡等内容时丢失。Samsung 将不会对由于录制内容丢失而造成的损失进行赔偿。
- **备份重要的录制数据**
 - 通过将文件复制到计算机上来保护重要的录制数据。建议将数据复制到计算机或其他录制媒体进行储存。请参阅软件安装和 USB 连接指南。
- **版权：请注意，本数码摄像机仅设计来用于个人消费者。**
 - 使用其他模拟/数字媒体或设备在本数码摄像机的存储卡上录制的数据受版权法保护，未经版权所有者的允许不得使用，个人欣赏除外。即使您录制诸如展览、表演或展示等活动进行个人欣赏，也强烈建议您事先获得允许。

precautions on use

IMPORTANT NOTE

- **Handle the liquid crystal display (LCD) with care:**
 - The LCD is a very delicate display device: Do not press its surface with excessive force, hit it or prick it with a sharp object.
 - If you push the LCD surface, unevenness in display may occur. If unevenness does not disappear, turn the camcorder off, wait for a few moments, and then turn it on again.
 - Do not place the camcorder with the open LCD screen down.
 - Close the LCD monitor when not using the camcorder
- **Liquid crystal display:**
 - The LCD screen is a product of high precision technology. Out of the total pixels (approx. 112,000 pixels of an LCD monitor), 0.01% or less pixels may be out (black dots) or may remain lit as colored dots (red, blue, and green). This shows the limitations of the current technology, and does not indicate a fault that will interfere with recording.
 - The LCD screen will be slightly dimmer than usual when the camcorder is at low temperature, as in cold areas, or right after the power is turned on. Normal brightness will be restored when the temperature inside the camcorder rises. Note that the foregoing phenomena have no effect on the image in a storage media, so there is no cause for concern.
- **Hold the memory camcorder correctly:**
 - Do not hold the memory camcorder by the LCD monitor when lifting it: the LCD monitor could detach and the memory camcorder may fall.
- **Do not subject the memory camcorder to impact:**
 - This memory camcorder is a precision machine. Take great care that you do not strike it against a hard object or let it fall.
 - Do not use the memory camcorder on a tripod in a place where it is subject to severe vibrations or impact.
- **No sand or dust!**
 - Fine sand or dust entering the memory camcorder or AC power adaptor could cause malfunctions or defects.
- **No water or oil!**
 - Water or oil entering the memory camcorder or AC power adaptor could cause electric shock, malfunctions or defects.
- **Heat on surface of product:**
 - The surface of the memory camcorder will be slightly warm when using, but this does not indicate a fault.

使用须知

重要注意事项

- **细心处理液晶显示器 (LCD):**
 - LCD 是非常精密的显示设备: 切勿用力压其表面, 或使用尖锐的物体击打或刺戳。
 - 如果您按压 LCD 表面, 可能会在显示时出现不平整现象。如果不平整现象不消失, 请关闭摄像机, 等待片刻后再次打开。
 - 切勿使打开的 LCD 屏幕向下放置摄像机。
 - 在不使用摄像机时关闭 LCD 显示器
- **液晶显示:**
 - LCD 屏幕是采用高精密技术制造的产品。在总像素 (LCD 显示器的大约 112,000 像素) 中, 0.01% 或更少的像素可能会损失 (黑点), 或可能以彩色 (红、蓝和绿色) 的点亮起。这表明了当前技术的局限性, 但不表示是影响录制的故障。
 - 当摄像机在温度较低的环境 (如在寒冷地区) 时, LCD 屏幕会比正常时稍暗, 或在打开电源后显示正常。当摄像机内部的温度上升时, 会恢复到原来的亮度。注意, 上述现象对储存媒体中的图像没有什么影响, 因此无需顾虑。
- **正确把持数码摄像机:**
 - 不要握住数码摄像机的 LCD 显示器来提起它: LCD 显示器可能会分离, 从而导致数码摄像机跌落。
- **切勿撞击数码摄像机:**
 - 本数码摄像机是精密机器。要特别小心, 不要让其撞击硬物或摔落。
 - 切勿在严重振动或撞击的地方将数码摄像机放在三角架上使用。
- **要避免沙尘!**
 - 细沙或灰尘进入数码摄像机或交流电源适配器会引起故障。
- **要避免水或油!**
 - 水或油进入数码摄像机或交流电源适配器会引起触电或故障。
- **产品表面变热:**
 - 在使用时, 数码摄像机表面会轻微变热, 但这并不表示有故障。

- **Be careful of unusual ambient temperature:**
 - Using the memory camcorder in a place where the temperature is over 140°F (40°C) or lower than 32°F (0°C) may result in abnormal recording/playback.
 - Do not leave the memory camcorder on a beach or in a closed vehicle where the temperature is very high for a long time. This could cause malfunctions.
- **Do not point directly at the sun:**
 - If direct sunlight strikes the lens, the memory camcorder could malfunction or a fire could occur.
 - Do not leave the memory camcorder with the LCD screen exposed to direct sunlight. This could cause malfunction.
- **Do not use the memory camcorder near TV or radio:**
 - This could cause noise to appear on the TV screen or in radio broadcasts.
- **Do not use the memory camcorder near strong radio waves or magnetism:**
 - If the memory camcorder is used near strong radio waves or magnetism, such as near a radio wave tower or electric appliances, noise could enter video and audio that are being recorded. During playback of normally recorded video and audio, noise may also be present in picture and sound. At worst the memory camcorder could malfunction.
- **Do not expose the memory camcorder to soot or steam:**
 - Thick soot or steam could damage the memory camcorder case or cause malfunctions.
- **Do not use the memory camcorder near corrosive gas:**
 - If the memory camcorder is used in a place where there is dense exhaust gas generated by gasoline or diesel engines, or corrosive gas such as hydrogen sulfide, the external or internal terminals could corrode, disabling normal operation, or the battery connection terminals could corrode, so that power will not turn on.
- **Do not use the memory camcorder near ultrasonic humidifier:**
 - Calcium and other chemicals dissolved in water could scatter in the air, and white particles could adhere to the optical head of the memory camcorder, which could cause it to operate abnormally.
- **Do not clean the memory camcorder body with benzene or thinner:**
 - The coating of exterior could peel off or the case surface could deteriorate.
 - When using a chemical cleaning cloth, follow the instructions.
- **Keep the memory card out of reach of children to prevent swallowing.**
- **To disconnect the apparatus from the mains, the plug must be pulled out from the mains socket, therefore the mains plug shall be readily operable.**

- **注意异常的环境温度:**
 - 在温度高于 140°F (40°C) 或低于 32°F (0°C) 的地方使用数码相机, 可能会导致录制/播放不正常。
 - 切勿将数码相机放在沙滩上或温度长时间会很热的封闭车辆中: 这样可能会导致发生故障。
- **切勿直接对着太阳:**
 - 如果阳光直射镜头, 数码相机可能会出现故障或发生火灾。
 - 在放置数码相机时, 切勿让阳光直射 LCD 屏幕: 这样可能会导致发生故障。
- **切勿在电视或收音机旁边使用数码相机:**
 - 这样可能会导致在电视屏幕或收音机中出现噪音。
- **切勿在靠近强无线电波或强磁力的地方使用数码相机:**
 - 如果在靠近强无线电波或强磁力的地方使用数码相机, 如无线电转塔或电器设备, 则在录制的视频和音频中可能会夹杂有噪音。在播放正常录制的视频和音频时, 在画面和声音中也可能会出现噪音。在最坏的情况下, 数码相机可能会出现故障。
- **切勿让数码相机接触烟灰或蒸汽:**
 - 浓厚的烟灰或蒸汽会损坏数码相机外壳或导致出现故障。
- **切勿在腐蚀性气体旁边使用数码相机:**
 - 如果在由汽油或柴油机产生的废气或腐蚀性气体 (如硫化氢) 很浓的地方使用数码相机, 外部或内容终端会被腐蚀, 无法进行正常的操作, 或电池连接终端会被腐蚀, 致使无法打开电源。
- **切勿在超声波加湿器旁边使用数码相机:**
 - 溶解在水中的钙和其他化学物质会在空气中扩散, 而白色的粒子会粘附在数码相机的光学镜头上, 从而导致无法正常工作。
- **切勿使用苯或稀释剂清洁数码相机机体:**
 - 外层会脱落或外壳表面会被损坏。
 - 在使用化学抹布时, 请遵循以下指示。
- **将存储卡放在儿童接触不到的地方, 以防其吞下。**
- **要从本机主电源断开本设备, 必须从主电源插座上拔下插头, 因此主电源插头应该易于操作。**

precautions on use

ABOUT THIS USER MANUAL

- **This User Manual covers the complete range of SC-MX10, SC-MX10P, SC-MX10A and SC-MX10AU.**
Please note that models with an 'A' letter has built-in flash memory. SC-MX10 and SC-MX10P does not support built-in flash memory, SC-MX10A and SC-MX10AU support built-in flash memory(4GB). Although some features of SC-MX10, SC-MX10P, SC-MX10A and SC-MX10AU are different, they are both operated in the same way.
- Illustrations of SC-MX10A model are used in this user manual.
- The displays in this user manual may not be exactly the same as those you see on the LCD screen.
- Designs and specifications of storage media and other accessories are subject to change without any notice.

NOTES REGARDING A TRADEMARK

- All the trade names and registered trademarks mentioned in this manual or other documentation provided with your Samsung product are trademarks or registered trademarks of their respective holders.
- Windows® is registered trademark or trademark of Microsoft Corporation, registered in the United States and other countries.
- Macintosh is trademark of Apple Computer, Inc.
- All the other product names mentioned here in may be the trademark or registered trademarks of their respective companies.
- Furthermore, "TM" and "R" are not mentioned in each case in this manual.

使用须知

关于本用户手册

- **本用户手册适用于 SC-MX10, SC-MX10P, SC-MX10A 和 SC-MX10AU 的完整系列。**
请注意，有字母 'A' 的型号有内置的闪存。SC-MX10 和 SC-MX10P 不支持内置的闪存，SC-MX10A 和 SC-MX10AU 支持内置的闪存 (4GB)。尽管 SC-MX10, SC-MX10P, SC-MX10A 和 SC-MX10AU 的功能有所不同，但它们的操作方式却是一样的。
- 在本用户手册中使用 SC-MX10A 型号的图例说明。
- 本用户手册中的显示可能不如您在 LCD 屏幕上看到的那样准确。
- 储存媒体和其他附件的设计和规格若有变更，恕不另行通知。

关于商标的注意事项

- 此手册或其他 Samsung 产品说明文件中提及的所有产品名称和注册商标是其各自所有者的商标或注册商标。
- Windows® 是 Microsoft Corporation 在美国或其他国家注册的注册商标或商标。
- Macintosh 是 Apple Computer, Inc. 的商标。
- 此处提及的所有其他产品名称可能是其各个公司的商标或注册商标。
- 此外，本手册中的各项示例均未提及“TM”和“R”。

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quick start guide



- This chapter introduces you to the basic features of your memory camcorder.
- See the reference pages for more information.

快速指南

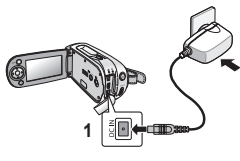


- 本章节为您介绍摄像机的基本特点。
- 更多内容请参见向页。

Step1

Preparation

- Connecting a power source ➡ page 12
- Check out the storage media ➡ page 32
- Setting the Date/Time and OSD Language ➡ page 30



第1步

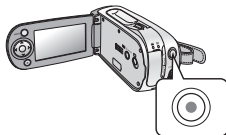
准备

- 连接电源 ➡第12页
- 准备存储介质 ➡第32页
- 设置日期/时间和显示语言 ➡第30页

Step2

Recording

- Recording the movie ➡page 38



第2步

录制

- 录制影像 ➡第38页

Step3

Playing back

- Selecting an image to play back from the thumbnail index views ➡page 42
- Viewing on the your PC or TV connected to your memory camcorder ➡page 73, 77



第3步

播放

- 在索引画面中选择要播放的图像 ➡第42页
- 通过连接到您的个人电脑或电视上观看播放的图像 ➡第73, 77页

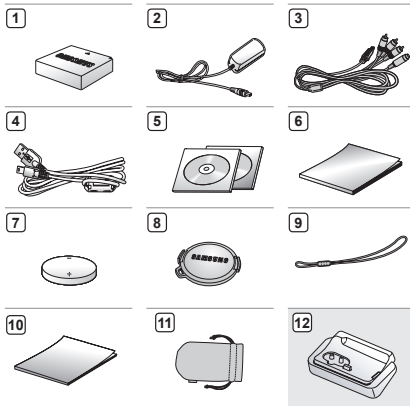
getting to know your memory camcorder

WHAT'S INCLUDED WITH YOUR MEMORY CAMCORDER

Your new memory camcorder comes with the following accessories. If any of these items is missing from your box, call Samsung's Customer Care Center.

★ The exact shape of each item may vary by model.

- | | |
|----|------------------------------------|
| 1 | Battery pack (IA-BP85ST) |
| 2 | AC power adapter (AA-E9 type) |
| 3 | Multi-AV cable |
| 4 | USB cable |
| 5 | Software CD |
| 6 | User manual |
| 7 | Button type battery (type: CR2025) |
| 8 | Lens cover |
| 9 | Lens cover strap |
| 10 | Quick start guide |
| 11 | Pouch |
| 12 | Cradle* |



- The contents can vary depending on the sales region.
- Parts and accessories are available at your local Samsung dealer and service center.
- The memory card is not included. See page 34 for compatible memory card for your memory camcorder.
- *: Not supplied with your camcorder. To buy the optional accessory, contact your nearest Samsung dealer or Samsung service center.

了解您的数码摄像机

您的数码摄像机包括哪些配件

新的数码摄像机配有以下部品。
如果缺少任一部品，请联系三星客服中心。

★ 提供的配件情形视产品型号的不同而有所变化。

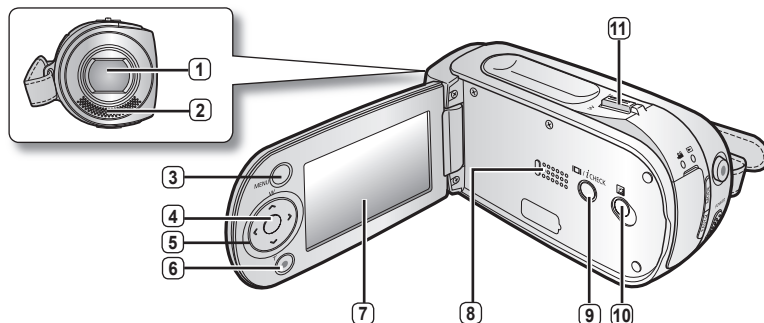
- | | |
|----|----------------------|
| 1 | 电池组 (IA-BP85ST) |
| 2 | 交流电源适配器 (AA-E9 type) |
| 3 | AV 连接电缆 |
| 4 | USB 数据线 |
| 5 | CD 光盘 |
| 6 | 用户说明书 |
| 7 | 钮扣电池 (type: CR2025) |
| 8 | 镜头盖 |
| 9 | 镜头盖系带 |
| 10 | 快速指南 |
| 11 | 摄像机袋 |
| 12 | 多功能支架 * |



- 提供配件视销售地区的不同而有所不同。
- 当地 Samsung 经销商和客服中心可以提供产品零件和配件。
- 配件不包括存储卡。参见第 34 页选择适合本摄像机的存储卡。
- *: 您的摄像机没有提供。要购买可选购的配件，请联络您就近的 Samsung 经销商或 Samsung 服务中心。

getting to know your memory camcorder

FRONT & LEFT VIEW



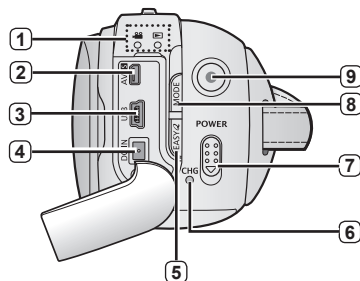
- ① Lens
- ② Internal microphone
- ③ MENU button
- ④ OK button
- ⑤ Control button (⏮/⏪/⏩/⏭/W/T)
- ⑥ Recording start/stop button
- ⑦ LCD screen
- ⑧ Built-in speaker
- ⑨ iCHECK button
- ⑩ LCD ENHANCER (⏏) button
- ⑪ Zoom lever (W/T)




了解您的数码摄像机

前视图 & 左视图

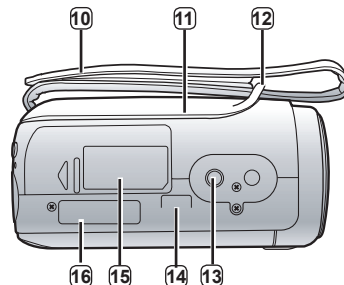
- ① 镜头
- ② 内置话筒
- ③ MENU 按钮
- ④ OK 按钮
- ⑤ 控制按钮 (⏮/⏪/⏩/⏭/W/T)
- ⑥ 录制开始/停止按钮
- ⑦ LCD 显示屏
- ⑧ 内置扬声器
- ⑨ iCHECK 按钮
- ⑩ LCD 增强器 (⏏) 按钮
- ⑪ 变焦控制杆 (W/T)

SIDE & BOTTOM VIEW



- ① MODE indicator (record () / player ())
- ② Multi cable jack (AV/ )
- ③ USB jack (USB)
- ④ DC IN jack (DC IN)
- ⑤ EASY.Q button
- ⑥ Charging indicator (CHG)
- ⑦ POWER switch
- ⑧ MODE button
- ⑨ Recording start/stop button
- ⑩ Grip belt
- ⑪ Swivel
- ⑫ Grip belt hook
- ⑬ Tripod receptacle
- ⑭ Cradle receptacle
- ⑮ Memory card /Battery slot cover
- ⑯ Button type battery slot

侧视图 & 底视图



- ① 模式显示 (录制 () / 播放 ())
- ② 电缆接口 (AV/ )
- ③ USB接口 (USB)
- ④ 电源接口 (DC IN)
- ⑤ EASY.Q 按钮
- ⑥ 充电指示(CHG)
- ⑦ 电源开关
- ⑧ MODE 按钮
- ⑨ 录制开始/停止按钮
- ⑩ 手带
- ⑪ 旋转接头
- ⑫ 手带挂钩
- ⑬ 三角架插孔
- ⑭ 支架插座
- ⑮ 存储卡/电池组插槽盖
- ⑯ 钮扣电池插槽

preparation

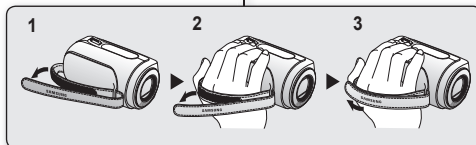
This section provides information that you should know before using this memory camcorder such as how to use the provided accessories, how to charge the battery, how to setup the operation mode and initial setup.

USING THE ACCESSORIES

Attaching a Grip Belt

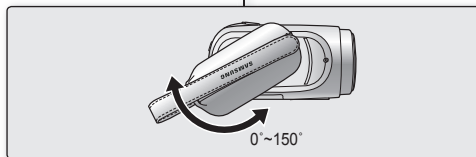
- Insert your right hand from the bottom of memory camcorder up to the base of your thumb.
- Put your hand in a position where you can easily operate the **Recording start/stop** button and the **Zoom** lever.
- Adjust the length of grip belt so that the memory camcorder is stable when you press the **Recording start/stop** button with your thumb.

1. Detach the belt.
2. Adjust the length of grip belt.
3. Attach the belt.



Angle Adjustment

- Rotate the swivel hand-grip at the most convenient angle.
- You can rotate it downward upto 150 degrees.



准备

本部分为您介绍在使用数码摄像机之前如何使用提供的配件，如何给电池组充电，如何设定操作模式等信息。

使用配件

手带

- 将手从摄像机底部插入手带并将手指放在基本操作位置。
- 把手放在可以轻松触碰到**录制开始/停止按钮**和**Zoom**控制杆的位置。
- 调整手带长度以便您在利用手指操作**录制开始/停止按钮**的时候，数码摄像机处于稳定状态。

1. 解开手带。
2. 调整手带长度。
3. 粘合手带。

调整角度

- 掀动镜头至使用起来最方便的角度。
- 您可以将它向下转动150度。

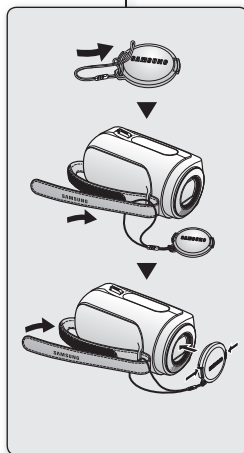
Attaching a Lens Cap

Pass the provided string through the hole in the grip belt attachment part and pass it through the hole in the lens cap.

1. Attach the lens cap string to lens cap. Shorter side is for the lens cap.
2. Attach the string to the attachment hole of memory camcorder. Detaching the grip belt makes things easier.
3. Push both sides of cap inward and attach it over the lens.

镜头盖

将镜头盖系带与镜头盖相连，并且将手带穿过镜头盖系带。

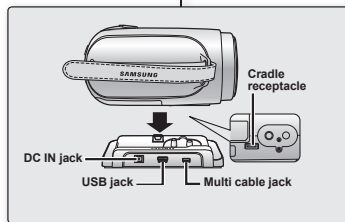


1. 将附带的镜头系带穿入镜头盖。短头的一边用于穿入镜头盖。
2. 将镜头盖系带穿入摄像机的附件孔。穿入解开的手带更加简便。
3. 推挤镜头盖两边的按扣然后将镜头盖安装于镜头上。

Using the cradle (optional accessory)

Cradle is a connection plate, which can be used to make it easy charging the battery, or connecting to a TV or a PC.

Use the memory camcorder with the cradle more stably when charging the battery, or connecting to a TV or a PC.



使用多功能支架（可选购的配件）

多功能支架是接线板，用于使电池充电或连接到电视或计算机更容易。

在为电池充电或连接到电视或计算机时，使用配备多功能支架的数码摄像机更稳定。

preparation

CONNECTING A POWER SOURCE

- There are two types of power source that can be connected to your memory camcorder.
 - Do not use provided power supply units with other equipment.
 - The battery pack: used for outdoor recording.
 - The AC power adapter : used for indoor recording.
- ➡page 19

To Charge the Battery Pack

- Be sure to charge the battery pack before you start using your memory camcorder.

Battery Pack installation / ejection

It is recommended you purchase one or more additional battery packs to allow continuous use of your memory camcorder.

Inserting the battery pack

1. Slide and open the battery slot cover as shown in the figure.
2. Insert the battery pack into the battery slot until it softly clicks.
 - Make sure that the SAMSUNG logo is facing up while the set is placed as shown in the figure.
3. Slide and close the battery slot cover.

Ejecting the battery pack

1. Slide and open the battery slot cover and push the battery lock.
2. Gently push the battery lock in the direction as shown in the figure to eject the battery out.
3. Pull the ejected battery out in the direction as shown in the figure.
3. Slide and close the battery slot cover.

准备

连接电源

- 有两种途径为数码摄像机通电。
 - 不要使用提供的电源部件连接其他设备。
 - 电池组：适合在室外使用数码摄像机时。
 - 交流电源适配器：适合在室内使用数码摄像机时。
- ➡第19页

为电池组充电

- 请务必在使用数码摄像机之前为电池组充电。

电池组安装 / 取出

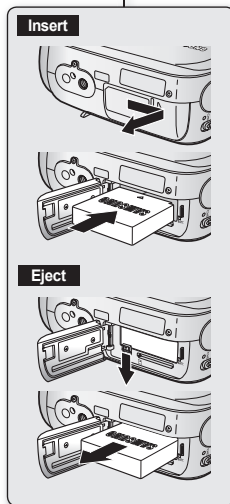
建议您多购买一块或多块电池组，以便连续使用您的数码摄像机。

插入电池组

1. 依照图中所示，打开电池组插槽盖。
2. 插入电池组，直到被轻轻扣住。
 - 如图所示，将SAMSUNG标志面朝上。
3. 关闭电池组插槽盖。

取出电池组

1. 依照图中所示，打开电池组插槽盖，并且轻轻按下卡扣。
 - 柔和地推动锁住电池组的卡扣，使电池组弹出。
2. 依照图中所示，拉出电池组。
3. 关闭电池组插槽盖。



About battery packs

- The benefits of battery pack: Battery pack is small but has a large power capacity. It should be recharged in any environment that is between 32°F (0°C) and 104°F (40°C). However, when it is exposed to cold temperatures (below 32°F (0°C)), its usage time becomes reduced and it may cease to function. If this happens, place the battery pack in your pocket or other warm, protected place for a short time, then reattach it to the memory camcorder.
- The recording time shortens dramatically in a cold environment. The continuous recording times in the operating instructions are measured using a fully charged battery pack at 77 °F (25 °C). As the environmental temperature and conditions vary, the remaining battery time may differ from the approximate continuous recording times given in the instructions.

On handling a battery pack

- To preserve battery power, keep your memory camcorder turned off when you are not operating it.
- For power saving purposes, the memory camcorder will automatically turn off in 5 minutes in standby mode. (Only if you set **"Auto Power Off"** from the menu with 5 min.)
- Do not touch, or metallic objects to come into contact with the terminals.
- Make sure that the battery pack fits firmly into place. Do not drop the battery pack. Dropping the battery pack may damage itself.
- Be careful to keep the battery pack out of the reach of children. There is danger that a child might swallow it.
- Frequently use of the LCD screen or a frequent playback, fast forward or rewind operation wears out the battery pack faster.

关于电池组

- 电池组的优点：电池组体积小但却拥有很大的电量。电池组的充电环境应介于32°F (0°C) 和104°F (40°C)之间。从而，如果将电池组暴露于温度很低的环境(低于32°F (0°C))中，它的使用寿命将会减少并且可能停止工作。如果出现此事，请将电池组放入您的衣服口袋或者其他温暖的地方一段时间，然后再把电池组重新安装回数码相机。
- 在寒冷的环境中使用数码相机，录制时间会明显缩短。操作说明书中的连续录制时间为在电池组充满电的情况下，并且于77 °F (25 °C)的环境中测出的数值。根据环境温度以及其他条件的不同，电池组剩余电量的可用时间可能会与说明书上描述的可以继续使用的时间有所不同。

处理电池组

- 当您不使用数码相机时请关闭电源，以保存电池组电量。
- 为节约能源，在待机模式下数码相机会在5分钟之内自动关闭。
(仅当您在菜单处设置**"自动断电"**为5分钟时。)
- 不要使用其他金属物品触碰或者进行终端。
- 确保电池组存放在安全妥当的地方。不要投掷电池组。投掷电池组也许会将其损坏。
- 请妥善保管电池组，将电池组放置于儿童无法触及的地方。如果不小心吞下电池组，孩子会有危险。
- 频繁地使用LCD显示屏或者频繁地使用播放，快进或者倒退等操作会加快消耗电池组电量。

preparation

Maintaining the battery pack

- The recording time is affected by temperature and environmental conditions. The recording time shortens dramatically in a cold environment. The continuous recording times in the operating instructions are measured using a fully charged battery pack at 77 °F (25 °C). As the environmental temperature and conditions vary, the remaining battery time may differ from the approximate continuous recording times given in the instructions.
- We recommend only using the original battery pack that is available from your Samsung retailer. When the battery reaches the end of its life, please contact your local dealer. The batteries have to be dealt with as chemical waste.
- Clean the terminals to remove any foreign substances before inserting the battery.
- Do not put the battery pack near any heat source (i.e. fire or a heater).
- Do not disassemble, apply pressure to, or heat the battery pack.
- Do not allow the + and - terminals of the battery pack to be short-circuited. It may cause leakage, heat generation, induce overheating or fire.
 - Do not expose the battery pack to water. The battery pack is not water resistant.
- When fully discharged, a battery pack damages the internal cells. The battery pack may be prone to leakage when fully discharged.
- Remove from charger or powered unit when not in use. Even when the power is switched off, the battery pack will still discharge if it is left attached to the memory camcorder.
- When not using the memory camcorder for an extended period: It is recommended that you fully charge the battery pack once a year, attach it to memory camcorder and use it up
 - : then remove the battery pack and store it in a cool place again.

About the battery life

- Battery capacity decreases over time and through repeated use. If decreased usage time between charges becomes significant, it is probably time to replace it with a new one.
- Each battery's life is governed by storage, operating and environmental conditions.

Use only approved battery packs.
Otherwise, there is a danger of overheating, fire or explosion.
Samsung is not responsible for problems occurring due to using unapproved batteries.

准备

保养电池组

- 录制时间会受温度和环境条件的影响。在寒冷的环境温度下，录制时间会急速缩短。操作说明中提供的连续录制时间是根据在 77 °F (25 °C) 温度下使用完全充电的电池组所测得的结果。由于环境温度和条件会经常改变，因此剩余的电池时间可能会与说明中提供的大约连续录制时间有所不同。
- 建议您使用购买数码摄像机的销售商售卖的原厂 Samsung 电池组。当电池组的使用寿命接近尾声的时候，请您与当地经销商联系。废弃的电池组必须当作化学制品废物处理。
- 请在插入电池组之前清洗终端上的杂质。
- 不要将电池组放在任何热源附近。（例如火或加热器）。
- 禁止拆卸，挤压或者加热电池组。
- 请勿使电池组的正极+端和负极-端形成短路。这可能会导致电池组漏液，发热，引起过热或者火灾。
 - 电池组不可以沾水。电池组不防水。
- 过分释放能量，容易损坏电池组内部结构。
- 过分释放能量也许会导致电池组漏液。
- 在不使用时，要从供电设备中取下充电器。若将电池组留在数码相机内，即使关闭电源，电池组将仍然会放电。
- 在长期不使用数码相机时：建议对电池组每年完全充电一次，将其连接到数码相机，并用尽：然后卸下电池组，将其存放在阴凉的地方。

关于电池组使用寿命

- 电池组随着时间的推移和反复地使用，如果可以使用的明显大大地减少，那么大概是时候需要更换一块新的电池组了。
- 每一块电池的使用寿命取决于存放，使用，以及环境条件。

仅使用经过许可的电池组。
否则，有过热，起火或者爆炸的危险。
如使用未经许可的电池组引发事故，三星公司不对此负任何责任。

Charging, recording and playback times with fully charged battery pack (with no zoom operation, etc.)

- For your reference, the approximate time with fully charged battery pack:

Battery type		IA-BP85ST		
Charging time		approx. 2 hr.		
Media	Mode	Super Fine	Fine	Normal
Built-in memory	Continuous recording	approx. 115min.	approx. 120min.	approx. 125min.
	Playback time	approx. 230min.	approx. 230min.	approx. 230min.
SDHC/MMCplus	Continuous recording	approx. 120min.	approx. 125min.	approx. 130min.
	Playback time	approx. 230min.	approx. 230min.	approx. 230min.

- The time is only for reference. Figures show above are measured under Samsung's test environment, and may differ from users and conditions.

Continuous Recording (without zoom)

The continuous recording time of memory camcorder in the table shows the available recording time when the memory camcorder is in the recording mode without using any other function after recording started. In actual recording, the battery pack may discharge 2-3 times faster than this reference since the record start/stop and zoom are being operated, and playback is performed. Assume that the recordable time with a fully charged battery pack is between 1/2 and 1/3 of the time in the table, and prepare type and number of battery packs to allow for the time you are planning to record on the memory camcorder. Note that the battery pack discharges faster in cold environment.



The charging time will vary depending on the remaining battery level.

基于使用满电电池组的充电时间，录制时间，播放时间（无调焦等操作。）

- 此为基于满电电池组测出的近似时间，仅供参考：

电池组种类		IA-BP85ST		
充电时间		约 2小时		
存储介质	模式	高清晰	清晰	标准
内置存储器	连续录制	约115分钟	约120分钟	约125分钟
	播放时间	约230分钟	约230分钟	约230分钟
SDHC/MMCplus	连续录制	约120分钟	约125分钟	约130分钟
	播放时间	约230分钟	约230分钟	约230分钟

- 以上时间仅为参考数值。以上表中的测量结果是为在三星的测试环境下，用户的实际使用情况也许会与其不同。

连续录制（无调焦操作）

以上表中列出的数码摄像机的连续录制时间是在录制模式下启动录制功能，并且没有任何其他操作的情况下测出的结果。在实际录制时，因为操作录制开始/停止和变焦，并且一直执行播放，电池组释放能量2-3次，实际的时间也许比参考值短。假设一块充电完全的电池组的可录制时间是表中1/2 和 1/3之间的时间，电池组的备用种类和组数决定录制的时间。注意在寒冷的环境中电池组会更快地消耗电量。



实际充电时间会根据电池组剩余电量的不同而有所变化。

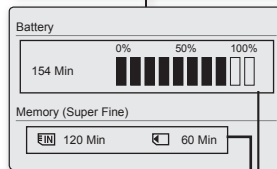
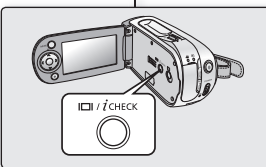
preparation

To check the remaining battery charge

- When the camcorder is turned off (battery is installed) press and release the **IC / iCHECK** button to display the remaining capacity of the battery capacity.
 - When the camcorder is turned on (battery is installed) press and hold the **IC / iCHECK** button for more than 2-3 seconds to display the remaining battery capacity.
- Press the **IC / iCHECK** button again or any other button to return to the initial OSD while the battery information is displayed.



- When the battery is installed and the AC adapter is connected, if you press **IC / iCHECK** button, the remaining battery capacity is displayed.
- When the AC adapter alone is connected, pressing the **IC / iCHECK** button will display "No Battery" message.



Recording capacity (approx.)

Remaining battery(approx.)

准备

检查剩余的电池电量

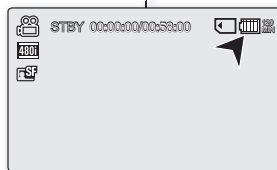
- 当摄像机关闭（安装了电池）时，按下再松开 **IC / iCHECK** 按钮以显示剩余的电池电量。
 - 当摄像机开启（安装了电池）时，按住 **IC / iCHECK** 按钮 2-3 秒钟以显示剩余的电池电量。
- 在显示电池信息时，再次按下 **IC / iCHECK** 按钮或任何其他按钮以返回到初始 OSD。



- 在安装电池且连接交流电源适配器时，如果按下 **IC / iCHECK** 按钮，即会显示剩余的电池电量。
- 如果仅连接了交流电源适配器，按下 **IC / iCHECK** 按钮，则会显示“没有电池”消息。

Battery Level Display

The Battery Level Display shows the amount of battery power remaining in the battery pack.



电池组容量显示

电池电量指示图标显示电池组剩余电量。

Battery Level Indicator	State	Message
	Fully charged	-
	20~40% used	-
	40~60% used	-
	60~80% used	-
	80~95% used	-
	Exhausted(flickers): The device will soon turn off. Change the Battery Pack as soon as possible.	-
	(flickers): The device will be forced to turn off after 5 seconds.	"Low battery"

电池电量指示图标	状态	信息
	完全充电	-
	20~40% 已用	-
	40~60% 已用	-
	60~80% 已用	-
	80~95% 已用	-
	耗尽(闪烁): 设备即将关闭 请尽快更换电池组。	-
	(闪烁): 设备将于5秒钟之后强制关闭。	"电池电量不足"

preparation

Charging the Battery Pack

The IA-BP85ST battery pack provided with this memory camcorder may be charged a little at purchase time: Charge it before using the memory camcorder.

- Use IA-BP85ST battery pack only.
 - The battery pack may be charged a little at the time of purchase.
1. Slide the **POWER** switch downward to turn off the power.
 2. Insert the battery pack.
 3. Open the LCD screen and jack cover.
 4. Connect the AC power adapter to the DC IN jack of your memory camcorder.
 5. Connect the AC power adapter to a wall socket.
 - The charging indicator will start to blink, showing that the battery pack is charging.
 6. When the battery pack is fully charged, disconnect the battery pack and the AC power adapter from the memory camcorder.



Even if your camcorder is turned off, AC power (house current) is still supplied to it while connected to the wall outlet via the AC power adaptor.



CAUTION

- Do not use the AC adaptor placed in a narrow space, such as between a wall and furniture.
- Before detaching the power source, make sure that the camcorder's power is turned off. Failure to do so can result in camcorder malfunction.
- Use the nearby wall outlet when using the AC power adaptor. Disconnect the AC power adaptor from the wall outlet immediately if any malfunction occurs while using your camcorder.

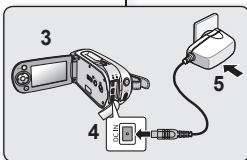
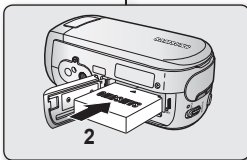
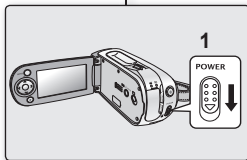
准备

电池组充电

本数码摄像机配备的IA-BP85ST电池组在您购买的时候可能存有一点电量：在使用该数码摄像机之前请先为电池组充电。

- 仅可使用型号为IA-BP85ST 电池组。
- 在购买的时候电池组内可能留有一点电量。

1. 向下滑动电源开关 **POWER**关闭电源。
2. 插入电池组。
3. 打开LCD显示屏和端口盖。
4. 将交流电源适配器与数码摄像机上的DC IN 端口连接。
5. 将电源适配器的插销插入墙壁的插座上。
 - 电池组充电，充电指示灯亮起。
6. 当电池组的电被充满后，请拔出数码摄像机上的电池组和交流电源适配器。



即使数码摄像机为关闭状态，交流电源适配器连接房间墙壁的插座后仍然会产生电流，为数码摄像机提供电能。



小心

- 不要在狭小的空间内使用交流电源适配器，例如家具与墙壁之间的空隙。
- 在拔掉电源线之前，请确认数码摄像机的电源是否已经关闭。疏忽此问题可能会导致数码摄像机发生故障。
- 请使用附近的壁挂电源插座，如果发生故障，请立刻将交流电源适配器从墙壁的插座上拔出。

Charging indicator

Tips for battery identification

- The colour of the LED indicates charging status.
 - If the battery has been fully charged, the charge indicator is green.
- If you are charging the battery, the color of the charge indicator is orange.
- The charge indicator flickers if the battery is abnormal.

Color	Charging state
Orange	On Charging
Green	Fully Charged

Using a household power source

Make the same connections as you do when charging the battery pack. The battery pack will not lose its charge in this case.

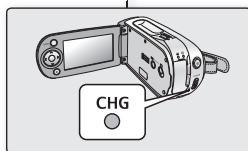
Using memory camcorder with AC power adaptor
It is recommended that you use the AC power adaptor to power the memory camcorder from a household AC outlet when you perform settings on it, play back, or use it indoors.
- Make the same connections as you do when charging the battery pack. ➡ page 18



- Be sure to use the specified AC power adaptor to power the memory camcorder. Using other AC power adaptors could cause electric shock or result in fire.
- The AC power adaptor can be used around the world. An AC plug adaptor is required in some foreign countries. If you need one, purchase it from your distributor.

充电指示灯

电池组有关信息提示

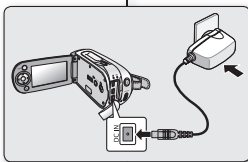


- LED 的颜色指示处于充电状态。
 - 如果电池组已经充满电，充电指示灯显示为绿色。
 - 如果电池组为充电中，充电指示灯的颜色为橙色。
 - 如果电池组反常，充电指示灯将会闪烁。

颜色	充电状态
橙色	正在充电
绿色	充电完毕

使用家庭电源

请使用同种接线器为电池组充电。
在这种情况下不会流失电量。



使用有交流电源适配器的数码摄像机

当您在数码摄像机上进行设置、播放或在室内使用时，建议您使用交流电源适配器从室内交流电插座为其供电。
- 与在给电池组充电时的连接相同。➡第 18 页



- 一定要使用指定的交流电源适配器为数码摄像机供电。使用其他交流电源适配器可能会造成触电或火灾。
- 交流电源适配器可以在世界各地使用。在有些国家必须要使用一体转换器。
如果您需要一个，可向经销商购买。

preparation

BUTTON TYPE BATTERY INSTALLATION

1. Insert the button type battery in the battery slot on the bottom of the memory camcorder.
2. Position the button type battery with the positive (+) terminal face down in the button type battery slot.

Precautions regarding the button type battery

- There is a danger of explosion if button type battery is incorrectly replaced.
Replace only with the same or equivalent type.

Battery installation for the internal clock

The button type battery maintains the clock function and preset contents of the memory : even if the battery pack or AC power adapter is removed. The button type battery for the memory camcorder lasts about 6 months under normal operation from the time of installation. When the button type battery becomes weak or dead, the date/time indicator will display "2007/01/01 12:00AM " when you turn the date and time display on.



Keep the button type battery out of reach of children.
Should a battery be swallowed, consult a doctor immediately.

准备

安装纽扣电池

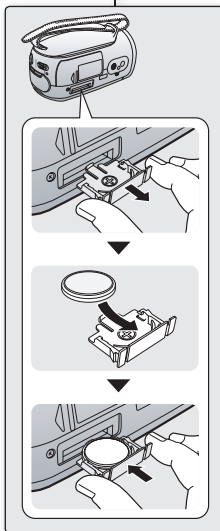
1. 在数码摄像机底部的纽扣电池插槽插入纽扣电池。
2. 将纽扣电池的(+)端朝下插入电池插槽。

纽扣电池的防范措施

- 错误地更换纽扣电池会引起爆炸的危险。
只允许更换相同的或者等效型纽扣电池。

为内置时钟安装电池

纽扣电池的电量可以维持时钟以及其他功能项的预先设置内容。
即使电池组和交流电源适配器已经被拔出。纽扣电池从安装开始，在数码摄像机仅进行一般操作的情况下，可以使用大约6个月左右。
当纽扣电池的电量即将耗尽或者已经耗尽的时候，当您打开日期时间显示功能的时候，屏幕上将会显示"2007/01/01 12:00AM"。



请将纽扣电池放在儿童触及不到的地方。
如果不小心中下电池，请立即就医。

BASIC OPERATION OF YOUR MEMORY CAMCORDER

This section explains the basic techniques of recording movies, and also basic settings on your memory camcorder. Set the appropriate operation mode according to your preference using **POWER** switch and **MODE** button.

Turning memory camcorder on or off

You can turn the power on or off by sliding the **POWER** switch down.

- Slide the **POWER** switch repeatedly to toggle the power on or off.



- Power saving function
 - In the setting at the time of purchase, the power turns off automatically if you leave your camcorder without any operation attempted off for approximately 5 minutes, to save the battery power. ➡ page 65
- If warning messages appear on the screen, follow the instructions. ➡ page 81

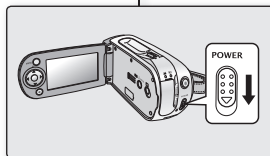
Setting the operating modes

- You can switch the operating mode in the following order each time you press the **MODE** button.
 - Movie Record mode (📹) → Movie Play mode (📺) → Movie Record mode (📹)
- Each time the operational mode changes, the respective mode indicator lights up.
 - Movie Record mode (📹): To record movie images.
 - Movie Play mode (📺): To play movie image.

数码摄像机的基本操作

本部分为您介绍录制影像的基本技巧和数码摄像机的基本设置。

根据您的需求使用**POWER**电源开关和**MODE**模式按钮选择适当的操作方式。



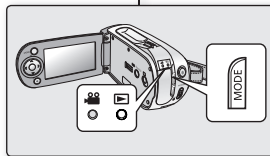
打开或者关闭数码摄像机

滑动电源开关**POWER**能够打开或关闭数码相机电源。

- 反复滑动电源开关**POWER**可以反复打开和关闭电源。



- 节电功能
 - 为了节省电池组电量,在最初购买的时候设置为如果大约5分钟左右没有任何操作,数码相机机的电源将会自动关闭。
➡第65页
- 如果出现警告信息,请参见。➡第81页



设置操作模式

- 每次按下**MODE**按钮将会按顺序切换操作模式。
 - 影音录制模式 (📹) → 影音播放模式 (📺) → 影音录制模式 (📹)
- 每次切换操作模式,它们各自的指示灯便会亮起。
 - 影音录制模式 (📹): 录制影音文件。
 - 影音播放模式 (📺): 播放影音文件。

preparation

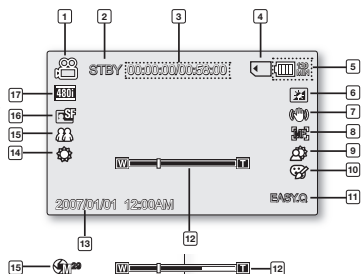
LCD SCREEN INDICATORS

Movie Record mode

1	Movie Record mode
2	Operating status ([STBY](standby) or [●](recording))
3	Time counter (movie recording time: remaining recordable time)
4	Storage media (Built-in memory(SC-MX10A/MX10AU only) or memory card)
5	Battery info.(Remaining battery level/time)
6	LCD Enhancer *
7	Anti-Shake(EIS) (Electronic Image Stabilizer)
8	Focus *
9	Back Light *
10	Digital Effect
11	EASY.Q *
12	Zoom (Optical zoom / Digital zoom)
13	Date/Time
14	White balance
15	Scene Mode (AE) /Exposure (Manual) *
16	Video quality
17	Resolution



- The above screen is an example for explanation: It is different from the actual display.
- The OSD indicators are based on memory capacity of 2GB(MMC plus).
- Functions marked with * won't be kept when the memory camcorder restarts.
- For enhanced performance, the display indications and the order are subject to change without prior notice.



准备

LCD显示屏指示图标

影音录制模式

1	影音录制模式
2	操作状态 ([STBY](待机) 或 [●](录制))
3	计时器 (已录制的影音时间/剩余可录制的时间)
4	存储介质 (内置存储器(仅限SC-MX10A/MX10AU)或者存储卡)
5	电池组信息 (剩余电池电量/时间)
6	LCD 增强器 *
7	防震动(EIS) (电子防震稳定器)
8	聚焦 *
9	背光补偿 *
10	数字特效
11	EASY.Q *
12	变焦 (光学变焦 / 数字变焦)
13	日期/时间
14	白平衡
15	场景模式 (AE) / 曝光 (手动) *
16	影音质量
17	分辨率

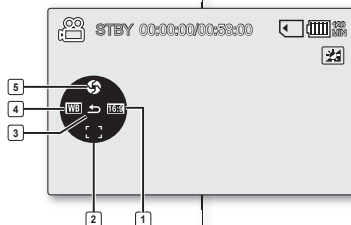


- 以上的屏幕显示仅为举例：实际显示情况可能有所不同。
- 以上的OSD指示图标是基于2GB(MMC plus)容量的存储卡。
- 标记有*符号功能项的预先设置在数码相机重新启动之后将不予保留。
- 为使性能更好，显示的指示图标和顺序会随时改变，恕不另行通知。

LCD SCREEN INDICATORS

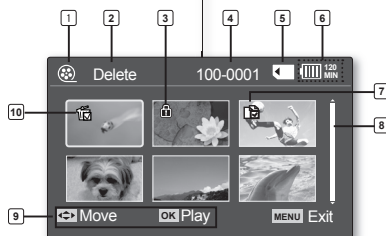
Movie Record mode: Shortcut menu (OK Guide)

- | | |
|---|---|
| 1 | Screen size (16:9 Wide/4:3) |
| 2 | Focus (Auto Focus/Manual Focus) * |
| 3 | Shortcut menu (OK Guide) / Return |
| 4 | White balance * |
| 5 | Exposure
(Auto Exposure/Manual Exposure) |



Movie Play mode

- | | |
|----|--|
| 1 | Movie Play mode |
| 2 | Menu name (Delete, Protect, Copy) |
| 3 | Protect |
| 4 | File Name |
| 5 | Storage media
(Built-in memory (SC-MX10A/MX10AU only) or memory card) |
| 6 | Battery info.
(Remaining battery level/time) |
| 7 | Copy Selected
(SC-MX10A/MX10AU only) |
| 8 | Scroll bar |
| 9 | Button Guide |
| 10 | Delete Selected |



LCD显示屏指示图标

影音录制模式 快捷菜单 (OK 导航键)

- | | |
|---|---------------------|
| 1 | 屏幕尺寸 (16:9 宽屏幕/4:3) |
| 2 | 聚焦 (自动聚焦/手动聚焦) * |
| 3 | 快捷菜单 (OK 导航键) / 返回 |
| 4 | 白平衡 * |
| 5 | 曝光 (自动曝光/手动曝光) |

影音播放模式

- | | |
|----|---|
| 1 | 影音播放模式 |
| 2 | 菜单名称 (删除, 保护, 复制) |
| 3 | 保护 |
| 4 | 文件名称 |
| 5 | 存储介质
(内置存储器 (仅限SC-MX10A/ MX10AU)或者存储卡) |
| 6 | 电池组信息 (剩余电池电量/时间) |
| 7 | 选择复制 (仅限SC-MX10A/ MX10AU) |
| 8 | 滚动条 |
| 9 | 按钮导航键 |
| 10 | 选择删除 |

preparation

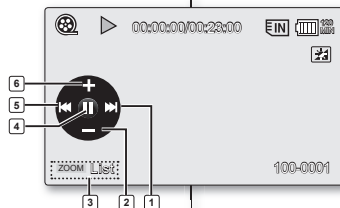
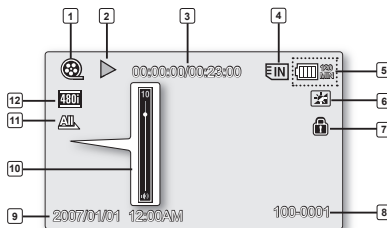
LCD SCREEN INDICATORS

Movie Play mode

- | | |
|----|--|
| 1 | Movie Play mode |
| 2 | Play Status |
| 3 | Time code (Elapsed time / Recorded time) |
| 4 | Storage media (Built-in memory (SC-MX10A/ MX10AU only) or memory card) |
| 5 | Battery info.(Remaining battery level/time) |
| 6 | LCD Enhancer * |
| 7 | Protect |
| 8 | File Name |
| 9 | Date/Time |
| 10 | Volume |
| 11 | Play Option |
| 12 | Resolution |

Movie Play mode: Shortcut menu (OK Guide)

- | | |
|---|-------------------|
| 1 | FF (fast forward) |
| 2 | Volume Down |
| 3 | Button Guide |
| 4 | Play/Pause |
| 5 | REW(rewind) |
| 6 | Volume Up |



准备

LCD显示屏指示图标

影音播放模式

- | | |
|----|---------------------------------------|
| 1 | 影音播放模式 |
| 2 | 播放状态 |
| 3 | 计时器 (过去的时间 / 录制的时间) |
| 4 | 存储介质 (内置存储器(仅限SC-MX10A/ MX10AU)或者存储卡) |
| 5 | 电池组信息(剩余电池电量/时间) |
| 6 | LCD 增强器 * |
| 7 | 保护 |
| 8 | 文件名称 |
| 9 | 日期/时间 |
| 10 | 音量 |
| 11 | 播放选项 |
| 12 | 分辨率 |



影音播放模式:快捷菜单(OK 导航键)

- | | |
|---|---------|
| 1 | FF (快进) |
| 2 | 减小音量 |
| 3 | 按钮导航键 |
| 4 | 播放/暂停 |
| 5 | REW(后退) |
| 6 | 增大音量 |

TURNING THE SCREEN INDICATORS ON/OFF (/)

Switching the information display mode





- You can switch the display mode of on-screen information:

Press the  /  button.

The full and minimum display modes will alternate.

- Full display mode:** All types of information will appear.
- Minimum display mode:** The only operating status indicator will appear.



Checking the remained battery and memory capacity

- When the camcorder is turned off (battery is installed) press and release the  /  button to display the remaining capacity of the battery capacity.
- When the camcorder is turned on (battery is installed) press and hold the  /  button for more than 2-3 seconds to display the remaining battery capacity.
- After a while, the approximate recordable time in the selected storage and battery information appear for about 10 seconds.

打开/关闭屏幕指示图标 (/)

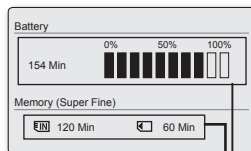
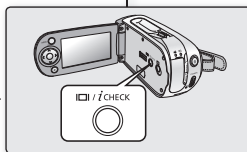
切换信息显示模式

- 您可以切换屏幕信息的显示模式:

按下  /  按钮。

将交替显示完全显示模式和最小显示模式。





- 完全显示模式:** 将出现所有类型的信息。
- 最小显示模式:** 将仅显示操作状态指示灯。



Recording capacity (approx.)



Remaining battery (approx.)


检查剩余的电池电量和内存容量

- 当摄像机关闭 (安装了电池) 时, 按下再松开  /  按钮以显示剩余的电池电量。
- 当摄像机打开 (安装了电池) 时, 按住  /  按钮 2-3 秒钟以显示剩余的电池电量。
- 稍后, 选定储存媒体的大约可录制时间和电池信息会显示约 10 秒钟。

preparation

USING THE LCD ENHANCER



- Contrast is enhanced for a clear and bright image. This effect is also implemented outdoors in bright daylight.
- Press the **LCD ENHANCER** () button. The selected function icon is displayed.
 - To exit LCD ENHANCER, press the **LCD ENHANCER** () button again.


 LCD ENHANCER function does not affect the quality of the image being recorded.

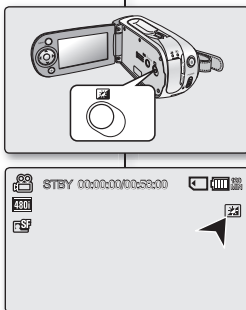
准备

使用LCD增强器

- 反差增强，得到清晰明亮的图像。该作用也被运用于户外的白天。

- 按下 **LCD增强器**() 按钮。屏幕上显示该功能的指示图标。
- 再次按下 **LCD增强器**() 按钮，退出 LCD增强。

 使用LCD增强功能并不影响录制的图像质量。



LCD POWER SAVING FUNCTION

- The LCD screen is turned off after a certain period of time has passed (see below) in each mode in order to prevent unnecessary battery power consumption.
- Press any button to go back and turn on the LCD screen.

Mode	Sub-mode	Time
Movie	STBY Mode	10min
	While Recording	None
	Play (single view)	None
	Play (thumbnail view)	10min
	Demo Mode	None
Settings	-	60sec
USB	PC Camera	60sec
	Mass Storage	60sec

LCD 节电功能

- 处于每个模式下一段时间后，LCD显示屏会自动关闭（见下方）以避免电池电量不必要的浪费。
- 按下任何按钮均可恢复并且开启LCD显示屏。

模式	子模式	时间
影音	STBY 待机模式	10分钟
	正在录制	无
	播放(单画面视图)	无
	播放(缩略图视图)	10分钟
	演示模式	无
设置	-	60秒
USB	PC摄像头	60秒
	海量存储	60秒

ADJUSTING THE LCD SCREEN

1. Open up the LCD screen 90 degrees with your finger.
2. Rotate it to the best angle to record or play.
 - If you rotate the LCD screen 180 degrees to the lens side, you can close the LCD screen with it facing out.
This is convenient during playback.



- See pages 65 to adjust brightness and color of the LCD screen.
- Over-rotation may cause damage to the inside of the hinge that connects the LCD screen to the memory camcorder.



WARNING

Do not lift the memory camcorder with holding the LCD screen.
It can be a cause of sudden fall.

USING THE MENU BUTTON

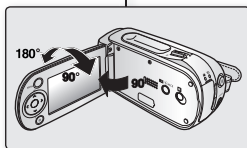
1. Set the desired mode by pressing the **MODE** button.
2. Press the **MENU** button.
3. Move the cursor by pressing the **Control** button ($\wedge/\vee/</>$) to select desired menu item, and then press **Control** button **OK** to confirm.
4. Press the **MENU** button to finish.



MENU button dose not operate in the EASY.Q mode.

调整LCD显示屏

1. 呈90度打开LCD显示屏。
2. 转动到最佳角度进行录制或者播放。
 - 如果转动LCD显示屏180度到镜头一侧，然后您可以将LCD显示屏的屏幕朝外关闭。这样便于回放操作。



- 参见第65页，调整LCD显示屏的亮度和颜色。
- 转动一周会导致内部连接LCD显示屏和数码摄像机之间铰链损坏。

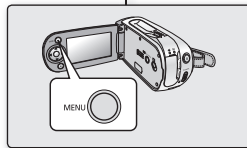


警告

不要握着LCD显示屏举起数码摄像机。这样可能会导致数码摄像机突然掉落。

使用MENU菜单按钮

1. 按**MODE**模式按钮来设置需要的模式。
2. 按下**MENU**菜单按钮。
3. 按**控制**按钮($\wedge/\vee/</>$)移动光标选择需要的菜单选项，然后按下**控制**按钮**OK**确认。
4. 按**MENU**菜单按钮完成设置。



MENU 按钮在 EASY.Q 模式中无法使用。

preparation

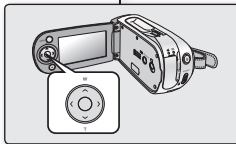
USING THE CONTROL BUTTONS

Used for playback, pausing, fastforwarding, and rewinding. Also used as directional buttons (up, down, left, right) and to make a selection when selecting movie images or menus.

1. Press the **Control** button (</>) to move left/right.
2. Press the **Control** button (▲/▼) to move up/down.
 - Confirm your selection by pressing the **OK** button.



- **Control** button (OK / (</>)) does not operate in the EASY.Q mode.
- Using the **OK** button, you may directly access the Shortcut menu. ➡ page 29



Using the Control button

Button	Movie Record (📹) mode	Movie Play (▶) mode	Menu selection
OK	Access the Shortcut menu	Playback /Pause	Confirms selection
▲	Zoom (wide)	Increases the volume	Moves the cursor up
▼	Zoom (tele)	Decreases the volume	Moves the cursor down
<	-	- Search playback RPS (Reverse Playback Search) rate: x2→x4→x8→x16→x32→x64 - Skip Playback	Moves to the previous menu
>	-	- Search playback FPS (Forward Playback Search) rate: x2→x4→x8→x16→x32→x64 - Skip Playback - Frame-by-frame playback	Moves to the next menu

准备

使用控制按钮

用于播放，暂停，快进和后退。也可作为方向按钮（上，下，左，右）使用，并且可以用于选择影音文件或菜单选项。

1. 使用控制按钮左右移动 (</>)。
2. 使用控制按钮上下移动 (▲/▼)。
 - 按下OK按钮确认选项。



- 在EASY.Q模式下，控制按钮不可操作 (OK / (</>))。
- 可以使用OK按钮直接进入快捷菜单。➡第29页

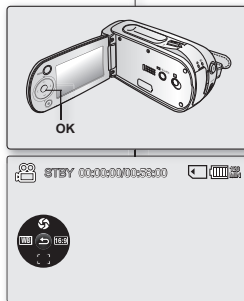
使用控制按钮

按钮	影音录制模式 (📹)	影音播放模式 (▶)	菜单选项
OK	进入快捷菜单	播放 / 暂停	确认选项
▲	变焦 (广角)	增大音量	光标上移
▼	变焦 (远距)	减小音量	光标下移
<	-	- 搜索播放 RPS (后退播放搜索)速率: x2→x4→x8→x16→x32→x64 - 跳过播放	移动到前一个菜单项
>	-	- 搜索播放 FPS (前进播放搜索)速率: x2→x4→x8→x16→x32→x64 - 跳过播放 - 逐帧播放	移动到下一个菜单项

SHORTCUT MENU (OK GUIDE)

Shortcut menu (OK guide) represents the most frequently accessed functions according to the selected mode.

1. Press the **OK** button.
 - Shortcut menu (OK guide) is displayed.
2. Press the **Control** button (▲/▼/◀/▶) to control the setting.
3. Press the **OK** button to confirm your selection.
 - Press the **OK** button to exit the shortcut menu.



快捷菜单 (OK 导航键)

快捷菜单 (OK 导航键) 根据所选择的模式列出了使用最频繁的功能选项。

1. 按下 **OK** 按钮。
 - 显示快捷菜单 (OK 导航键)。
2. 按动 **控制** 按钮 (▲/▼/◀/▶) 进行设置。
3. 按下 **OK** 按钮确认选项。
 - 按下 **OK** 按钮退出快捷菜单。

Shortcut function using the Control buttons

Button	Movie Record(📹) mode	Movie Play(▶) mode
OK	- Access the shortcut menu - Confirm selection - Exit the shortcut menu	- Shortcut menu (OK guide) is displayed - Playback/ause
▲	Exposure (Auto / Manual)	Increases the volume
▼	Focus (Auto / Manual)	Decreases the volume
◀	White Balance (Auto ~ Custom WB)	- Search playback RPS (Reverse Playback Search) rate: x2→x4→x8→x16→x32→x64 - Skip Playback
▶	16 : 9 Wide (Off / On)	- Search playback FPS (Forward Playback Search) rate: x2→x4→x8→x16→x32→x64 - Skip Playback - Frame-by-frame playback

OK button dose not operate in the EASY.Q mode.

快捷功能使用控制按钮

按钮	影音录制模式 (📹)	影音播放模式 (▶)
OK	- 进入快捷菜单 - 确认选项 - 退出快捷菜单	- 显示快捷菜单 (OK 导航键) - 播放 / 暂停
▲	曝光 (自动 / 手动)	增大音量
▼	聚焦 (自动 / 手动)	减小音量
◀	白平衡 (自动 ~ 自定义白平衡)	- 搜索播放 RPS (后退播放搜索) 速率: x2→x4→x8→x16→x32→x64 - 跳过播放
▶	16 : 9 宽屏幕 (关闭 / 打开)	- 搜索播放 FPS (前进播放搜索) 速率: x2→x4→x8→x16→x32→x64 - 跳过播放 - 逐帧播放

在 EASY.Q 模式下, **OK** 按钮不可操作。

preparation

INITIAL SETTING : OSD LANGUAGE & DATE AND TIME

- Initial setting is available in all operating modes.
- To read the menus or messages in your desired language, set the OSD language. To store the date and time during record, set the date/time.

How to set the settings mode

- Slide the **POWER** switch downward to turn on the memory camcorder.
- Press the **MENU** button.
- Press the **Control** button (</>) to select "**Settings**".
- Press the **OK** button.
 - The settings menu screen appears.

Selecting the OSD language

You can select the desired language to display the menu screen and the messages.

- Set the "**Settings**" mode.
 - The settings menu screen appears.
 - See "How to set the Settings mode".
- Press the **Control** button (</>) to select "**Language**".
- Press the **Control** button (▲/▼) to select the desired OSD language, and then press the **OK** button.
 - English / 한국어 / Français / Deutsch / Italiano / Español / Português / Nederlands / Svenska / Suomi / Norsk / Dansk / Polski / Magyar / Українська / Русский / 中文 / ไทย / Türkçe / Iranian / Arabic
- Press the **MENU** button to exit the menu.
 - The OSD language is refreshed in the selected language.

- Even if the battery pack or AC power are removed, the language setting will be preserved.
- "Language" options may be changed without prior notice.

准备

初次设置：OSD 语言&日期和时间

- 初次设置适用于全部操作模式。
- 设置OSD语言，用您需要的语言阅读菜单或信息。
设置日期/时间，在录制的过程中保留下日期和时间。

如何设定设置模式

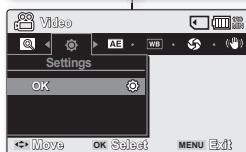
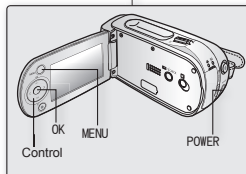
- 向下滑动电源开关**POWER**，开启数码摄像机。
- 按下**MENU**菜单按钮。
- 按下控制按钮 (</>)选择“设置”。
- 按下**OK**按钮。
 - 显示设置菜单。

选择OSD显示语言

您可以选择您所需要的语言显示菜单和信息。

- 设定“设置”模式。
 - 屏幕上显示设置菜单。
 - 请参见“如何设定设置模式”
- 按下控制按钮 (</>)选择“Language”。
- 按下控制按钮 (▲/▼)选择所需要的OSD显示语言，然后按下**OK**按钮。
 - English / 한국어 / Français / Deutsch / Italiano / Español / Português / Nederlands / Svenska / Suomi / Norsk / Dansk / Polski / Magyar / Українська / Русский / 中文 / ไทย / Türkçe / Iranian / Arabic

- 按下**MENU**按钮退出菜单。
 - 在选择语言种类的时候已经刷新了新的OSD显示语言。
- 即使拔出电池组或者电源适配器，语言设置也将被保留。
- "Language" 选项也许改变，恕不另行通知。



Setting date and time

Set the current date and time so that the date and time at which you make a recording can be recorded correctly. The following procedure can also be used to correct the date and time you have already set.

1. Set the "Settings" mode.
 - The settings menu screen appears.
 - See "How to set the Settings mode" ➡ page 30.
2. Press the **Control** button (</>) to select "Date/Time Set" and then press the **OK** button.
3. Set the desired value by moving the **Control** button (▲/▼).
4. Move to the next item by moving the **Control** button (</>), and then set values by moving the **Control** button (▲/▼).
 - Items are displayed in the order of the date format.
 - By default, it appears in the order of year, month, date, hour, minute and AM/PM.
5. After setting the last item, press the **OK** button to finish the setting.
 - Press the **MENU** button to exit the menu.



- You can set the year up to 2037.
 - After setting, the date and time are automatically recorded on a special data area of the storage media.
 - The button type battery maintains the clock function and preset contents of the memory: even if the battery pack or AC power adapter is removed. The button type battery for the memory camcorder lasts about 6 months under normal operation from the time of installation.
- When the button type battery becomes weak or dead, the date/time indicator will display "2007/01/01 12:00AM" when you turn the date and time display on. ➡ page 20.

Turning the date and time display on/off

- To switch the date and time display on or off, access the menu and change the date/time mode. ➡ page 64

设置日期时间

设置当前的日期和时间，以正确录制您进行录制的日期和时间。以下步骤可用于改正您已设置的日期和时间。

1. 设定“设置”模式。

- 屏幕上显示设置菜单。
- 请参见“如何设定设置模式” ➡ 第30页

2. 按控制按钮 (</>) 选择“日期/时间设置”然后按下OK按钮。

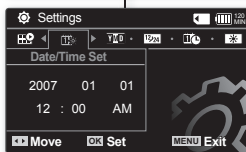
3. 按动上下控制按钮选择满意的数值 (▲/▼)。

4. 按动左右控制按钮 (</>) 将光标移动到下一个选项，然后使用上下控制按钮 (▲/▼) 设置数值。

- 按照格式显示日期。
- 默认的显示顺序为，年，月，日，小时，分钟和AM/PM。

5. 在设定好最后的选项后，按下OK按钮完成设置。

- 按下MENU按钮退出菜单。



- 您可以设置的最高年份是2037年。
 - 完成设置之后，日期和时间自动被记录在存储介质的一个特别数据区域。
 - 纽扣电池会维持时钟以及预先设置功能：即使电池组或者交流电源被拔出。
- 数码摄像机的纽扣电池自安装之日起，在一般操作的情况下可以维持大约6个月左右。
- 当纽扣电池的电量即将消耗殆尽或者电量已经枯竭的时候，当您打开日期和时间时，日期/时间指示图标将会显示 "2007/01/01 12:00 AM" ➡ 第20页

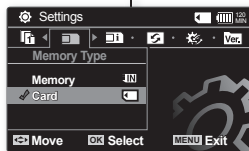
打开/关闭日期和时间显示

- 打开或者关闭日期和时间显示，请访问菜单并更改日期/时间模式。 ➡ 第64页

about the storage media

SELECTING THE STORAGE MEDIA (SC-MX10A/MX10AU ONLY)

You can record moving on the built-in memory or a memory card, so you should select the desired storage media before starting recording or playback.



Selecting the storage media (SC-MX10A/MX10AU only)

- Selecting the recording medium is available in the Movie record /Movie Play modes. Movie images can be stored and played back using the built-in memory or a memory card. Hence, set the memory type before recording and playing back images.
1. Press the **MENU** button.
 - The menu list will appear.
 2. Press the **Control** button (**</>**) to select **"Settings"**, then press the **OK** button.
 3. Press the **Control** button (**</>**) to select **"Memory Type"**, then press the **OK** button.
 4. Press the **Control** button (**^/v**) to select **"Memory"** or **"Card"** then press the **OK** button.
 5. Press the **MENU** button to exit.

关于存储介质

选择存储介质 (仅限SC-MX10A/MX10AU)

您可以将录制的文件存储在内置存储器或者存储卡上，所以请在开始录制或者播放前选择您要存储文件的存储介质。

选择存储介质 (仅限SC-MX10A/MX10AU)

- 在影音录制/影音播放模式下，选择可利用的录制存储介质。可以使用内置存储器或者存储卡存储和播放影音文件。因此，在录制和播放影音文件之前请设置存储类型。
1. 按下**MENU**菜单按钮。
 - 显示菜单列表。
 2. 按左右控制按钮 (**</>**) 选择 **"设置"**，然后按下**OK**按钮。
 3. 按左右控制按钮 (**</>**) 选择 **"存储类型"**，然后按下**OK**按钮。
 4. 按上下控制按钮 (**^/v**) 选择 **"内存"** 或 **"卡"**，然后按下**OK**按钮。
 5. 按**MENU**菜单按钮退出。

Using the built-in memory (SC-MX10A/MX10AU only)

- Because this memory camcorder has an embedded 4GB memory, you don't need to buy any extra storage media. So you can take or playback moving/recording conveniently.

Using a memory card (not supplied)

- This memory camcorder has multi card slot for access to SDHC (Secure Digital High Capacity) and MMCplus.
- You can use SDHC and MMC plus card on your memor camcorder.
 - Some cards are not compatible depending on the memory card manufacturer and memory card type.



- If you insert a memory card when the memory camcorder is on, the pop-up message will prompt you automatically to select the storage type.
- If there is no memory card inserted, only the built-in memory will be available.

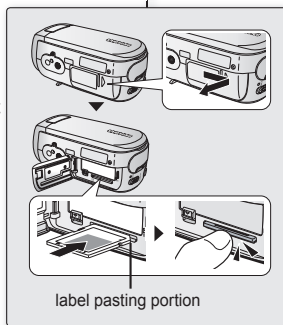
INSERTING / EJECTING THE MEMORY CARD

Inserting a memory card

- Turn the memory camcorder off.
- Slide the memory card slot cover to the right to open the cover.
- Insert the memory card into the memory card slot until it softly clicks in the direction of the arrow shown in the figure.
- Close the cover.

Ejecting a memory card

- Turn the memory camcorder off.
- Slide the memory card slot cover to the right to open the cover.
- Slightly push the memory card inwards to pop it out.
- Pull the memory card out of the memory card slot and close the cover.



使用内置存储器(仅限SC-MX10A/MX10AU)

- 由于此数码摄像机本身具备4GB存储容量，所以您不需要额外购买任何存储介质。如此您可以更方便地记录或者播放移动/录制。

使用存储卡（未提供）

- 该数码摄像机备有SDHC (Secure Digital High Capacity)和MMCplus存储卡插槽。
- 您的数码摄像机可以使用SDHC和MMCplus存储卡。
 - 根据存储卡的制造商和类型的不同，有些存储卡是不能够使用的。



- 插入存储卡，当打开数码摄像机时，将会自动弹出消息框提示您选择存储类型。
- 如果未插入存储卡，则只能使用内置存储器。

插入/取出存储卡

插入存储卡

- 关闭数码摄像机。
- 向右滑动存储卡插槽盖打开盖子。
- 如图所示，按照箭头的方向将存储卡插入存储卡插槽，直到存储卡被轻轻扣住。
- 关闭存储卡插槽盖。

取出存储卡

- 关闭数码摄像机。
- 向右滑动存储卡插槽盖打开盖子。
- 轻轻向内推挤存储卡，存储卡弹出。
- 拉出存储卡并且关闭存储卡插槽盖。

about the storage media

SELECTING THE SUITABLE MEMORY CARD

A memory card is a compact portable storage media with a data capacity that exceeds the capacity of a floppy disk.

- **You can use a SDHC memory card and MMC plus.**
(If needed, buy a memory card separately.)
- You can also use a SD memory card, but recommended that you use a SDHC memory card and MMC plus with your memory camcorder.
(SD memory cards over 4GB are not compatible with this memory camcorder.)
- **On this memory camcorder, you can use memory cards of the following capacity: 128MB ~ 8GB**
- **Compatible recording media**
- The following recording media have been guaranteed to work with this memory camcorder. Others are not guaranteed to work, so buy such products with caution.
SDHC or SD memory cards: Panasonic, SanDisk, and TOSHIBA,
MMC plus: Transcend
- If other media are used, they may fail to record data correctly, or they may lose data that has already been recorded.
- For movie recording, use a memory card that support faster write speed(at least 1.25 MB/sec).

SDHC (Secure Digital High Capacity) Memory Card

- SDHC memory card complies with new SD specification Ver.2.00. This latest specification was established by SD Card Association to realize data capacity over 2GB.
- The SDHC memory card supports a mechanical write protection switch. Setting the switch prevents accidental erasure of files recorded on the SDHC memory card. To enable writing, move the switch up to the direction of terminals. To set write protection, move the switch down.
- Due to change in File Allocation System and physical specifications, SDHC memory card can not be used with current SD enabled host devices. SDHC memory card can be used with only SDHC enabled host devices which carry SDHC logo on devices its self or on its operation manual.

MMCplus (Multi Media Card plus)

- In the case of MMCplus, they have no protection tab so please use the protect function in the menu.

Common cautions for memory card

- Damaged data may not be recovered. It is recommended you make a back-up of important data separately on the hard disk of your PC.
- Turning the power off or removing a memory card during operation such as formatting, deleting, recording, and playback may cause the data loss.
- After you modify the name of a file or folder stored in the memory card using your PC, your camcorder may not recognize the modified file.

关于存储介质

选择适合的存储卡

存储卡是一种数据容量超出光盘的高精度便携式存储介质。

- **您可以使用SDHC和MMCplus存储卡。**
(如果需要, 请另行购买存储卡。)
- 您也可以使用SD存储卡, 但是仍然推荐您在该数码摄像机上使用SDHC 和MMCplus存储卡。
(大于4GB容量的SD卡不能与本数码摄像机兼容。)
- **使用本数码相机您可以选择的存储卡存储容量范围值为: 128MB ~ 8GB**
- **兼容的介质**
- 列出的介质可以保证本数码摄像机的正常运行。
其他存储介质不能保证机器的正常运行使用, 所以请慎重购买存储

介质。

SDHC或SD存储卡: 由 Panasonic, SanDisk, 和 TOSHIBA,
MMC plus 存储卡: 由 Transcend

- 如果使用其他存储介质, 可能会导致录制的文件丢失或者损坏。
- 建议在录制影音的时候使用写入速度较快的存储卡。
(最少 1.25 MB)。

SDHC (Secure Digital High Capacity) 存储卡

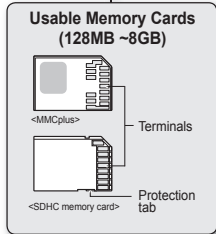
- SDHC 存储卡相当于规格为 Ver.2.00 的新 SD 卡。该最新的规格已经由 SD 卡协会证实数据容量在 2GB。
- SDHC 存储卡具备写保护开关。设置 SDHC 存储卡的写保护开关以防止文件被偶然删除。设置为可以擦写, 由终端向上移动开关。设置写保护, 则向下移动开关。
- 由于文件分派系统和物理规格应有的变化, SDHC 存储卡不能与当前 SD 卡可激活的主机设备使用。SDHC 存储卡只能应用于在机器上或者操作指南上标有 SDHC 标志的机器, 并且仅可用在 SDHC 卡可激活的设备。

MMCplus (Multi Media Card plus) 存储卡

- MMCplus 存储卡没有写保护片, 请在菜单项设置保护功能。

有关存储卡的注意事项

- 损坏的数据不可以恢复。推荐您将重要的数据另外在电脑上上进行备份。
- 在进行格式化, 删除, 录制, 和回放等操作时, 关闭数码相机电源或者取出存储卡会造成数据损坏和丢失。
- 如果使用电脑修改文件或者文件夹的名称, 数码相机也许不能识别被修改后的文件。



Handling a memory card

It is recommended that you power off before inserting or removing the memory card to avoid data loss. It is not guaranteed that you can use a memory card formatted by other devices.

Be sure to format your memory card using this camcorder.

- You have to format newly-purchased memory cards, memory cards with data that your camcorder cannot recognize or are saved by other devices. Note that formatting erases all data on the memory card.
- If you cannot use a memory card that has been used with another device, format it with your memory camcorder. Note that formatting erases all information on the memory card.
- A memory card has a certain life span. If you cannot record new data, you have to purchase a new memory card.
- A memory card is a precision electronic media. Do not bend it, drop it, or cause a strong impact.
- Do not use or store in a place that has high temperature and humidity or dusty environment.
- Do not place foreign substances on the memory card terminals. Use a soft dry cloth to clean the terminals if required.
- Do not paste anything other than exclusive label on label pasting portion.
- Be careful to keep memory card out of the reach of children, who might swallow it.



The memory camcorder supports SDHC and MMCplus memory cards for data storage.

- The data storage speed may differ, according to the manufacturer and production system.
 - SLC(single level cell) system: faster write speed enabled.
 - MLC(multi level cell) system: only lower write speed supported.
- The user using a lower write speed memory card for recording a movie may have difficulties storing the movie on the memory card. You can even lose your movie data during the recording.
- In an attempt to preserve any bit of the recorded movie, the memory camcorder forcibly stores the movie on the memory card and displays a warning: "Low speed card. Please record at lower quality."

To facilitate movie recording, you are recommended to use a memory card that supports faster write speed.

- If you are unavoidably using a low speed memory card, it is desirable to lower the recording quality by one level "Fine" → "Normal" or decrease the movie size to 352P to reduce the data size.
- You can have three quality options to record a movie with the memory camcorder: "Super Fine", "Fine", "Normal"
- You can record the same scene in three quality levels of "Super Fine", "Fine", "Normal".
However, the better the quality is, the bigger the data size is.
- For optimal performance of the memory camcorder, ensure that you purchase a fast speed memory card.

存储卡的操作事宜

建议您在插入或者移除存储卡之前关掉数码摄像机的电源，以避免数据丢失。

不能保证您可以使用在其他设备上格式化的存储卡。

请务必使用本数码摄像机格式化存储卡。

- 新买的存储卡，有数码摄像机无法识别资料的存储卡，或有使用其他设备储存资料的存储卡都需要格式化。
- 如果不能使用在其他设备上已经被格式化的存储卡，请使用本数码摄像机对存储卡进行格式化。注意该格式化操作将会删除存储卡上的所有数据。
- 存储卡具有特定的寿命。如果您长时间使用它，您可能无法录制新的资料。在此情况下，您需要购买新的存储卡。
- 请不要将存储卡弯折，掉落或者使它受到强烈的撞击。
- 请勿在炎热，多尘或潮湿的环境中使用或储存。
- 切勿让存储卡的终端堆积异物。如有必要，请用干燥的软布来清洁终端。
- 除了标签，不要在标签粘贴处粘贴其他任何东西。
- 请将存储卡放在儿童触及不到的地方，以免被儿童误吞。



本数码摄像机支持SDHC和MMCplus存储卡。

- 数据储存速度会因制造商和生产系统的不同而有所不同。
 - SLC(单层式存储单元) 系统：可实现较快的写入速度。
 - MLC(多层式存储单元) 系统：仅支持较慢的写入速度。
- 采用写入速度较慢的存储卡录制影音的用户可能将影音存储到存储卡时会遇到困难。甚至有可能在录制期间丢失影音数据。
- 当试图保存已录制影音的一些字节时，数码摄像机将强行将影音文件存储在存储卡中，并显示一则警告："卡速度低，请以较低质量录制。"

若要加快影音录制，我们推荐您使用支持较快写入速度的存储卡。

- 若不得以而使用慢速存储卡，最好将录制质量降低一级 "清晰" → "标准"，或将影音大小缩小至352P，以降低文件大小。
- 使用数码摄像机录制影音时有三种质量选项："高清晰"，"清晰"，"标准"。
- 您可以采用 "高清晰"，"清晰"，"标准" 等三个质量级别来录制同一个场景。
然而，质量越好，文件大小就越大。
- 为了获得数码摄像机的最佳效能，请确保购买了快速存储卡。

about the storage media

RECORDABLE TIME AND CAPACITY

Recordable time for movie images

Media		built-in memory	SDHC/MMCplus		
Capacity		4GB	1GB	2GB	4GB
Super Fine	352X240P (240p)	approx. 170min.	approx. 43min.	approx. 85min.	approx. 170min.
	720X480i(480i)/720x480p(480p)	approx. 112min.	approx. 28min.	approx. 56min.	approx. 112min.
	352X240P (240p)	approx. 256min.	approx. 64min.	approx. 128min.	approx. 256min.
Fine	720X480i(480i)/720x480p(480p)	approx. 170min.	approx. 43min.	approx. 85min.	approx. 170min.
	352X240P (240p)	approx. 512min.	approx. 128min.	approx. 256min.	approx. 512min.
Normal	720X480i(480i)/720x480p(480p)	approx. 256min.	approx. 64min.	approx. 128min.	approx. 256min.

1GB=1,000,000,000bytes : actual formatted capacity may be less as the internal firmware uses a portion of the memory.



- 240p, 480i/480p refer to resolutions the camcorder will record at.
- The above figures are measured under Samsung's standard recording test conditions and may differ depending on the test or use condition.
- The memory camcorder provides three quality options for movie recordings:
 - "Super Fine", "Fine", "Normal". For a same scene, higher quality setting will retain the better image with bigger data size in the order of "Super Fine", "Fine", "Normal".
- The compression rate increases while lowering the quality (in the order of "Fine", "Normal"). The higher the compression rate is, the picture quality is more deteriorated but the recording time will be increased.
- The compression rate automatically adjusts to the recording image, and the recording time may vary accordingly.

关于存储介质

可录制的时间和容量

影音录制时间

存储介质		内置存储器	SDHC/MMCplus 存储卡		
容量		4GB	1GB	2GB	4GB
高清晰	352X240P (240p)	约 170分钟	约 43分钟	约 85分钟	约 170分钟
	720X480i(480i)/720x480p(480p)	约 112分钟	约 28分钟	约 56分钟	约 112分钟
清晰	352X240P (240p)	约 256分钟	约 64分钟	约 128分钟	约 256分钟
	720X480i(480i)/720x480p(480p)	约 170分钟	约 43分钟	约 85分钟	约 170分钟
标准	352X240P (240p)	约 512分钟	约 128分钟	约 256分钟	约 512分钟
	720X480i(480i)/720x480p(480p)	约 256分钟	约 64分钟	约 128分钟	约 256分钟

1GB= 1,000,000,000 字节：实际格式化后容量可能会小一些，因为内部固件使用了一小部分存储容量。



- 240p、480i/480p 参考摄像机录制时的分辨率。
- 以上的测试结果产生在三星的标准测试条件下，根据环境或者使用的情况差异可能会有所不同。
- 使用数码摄像机录制影片时有三个质量选项：
 - "高清晰"，"清晰"，"标准"。您可以采用 "高清晰"，"清晰"，"标准" 等三个质量级别来录制同一个场景，然而，质量越好，文件大小就越大。
- 降低质量压缩率会增加（按照 "清晰"，"标准" 的顺序）。更高的压缩率是，图片的质量降低，但是录制时间增加。
- 压缩率根据录制影片自动调整，而且录制的时间也许会有相应的变化。



- You can use a SDHC or MMC plus memory card on your memory camcorder.
Some cards may not be compatible depending on the memory card manufacturer and memory card type.
- Proper operation is not guaranteed for those memory cards that are not formatted by this memory camcorder.
Perform the formatting directly on the memory camcorder for formatting.
- To facilitate the movie recording, it is recommended to use a memory card that supports faster write speed.
(Write speed: 1.25 MB / sec or higher) If you use a low write-speed memory card, recording may stop with a message of "**Low speed card. Please record at lower quality**".
If you inevitably use a low speed card, select a lower quality ("Fine" → "Normal") or set the movie size to **352p**.
- It supports proper operation with up to **8GB** of memory card for movie recording / playback.
Memory cards of bigger than **8GB** in capacity may not work properly.
- The memory card that is used to store a movie can cause unwritable area, which may result in reduced recording time and free memory space.
- The maximum size of a movie (MPEG4) file that can be recorded at one time is 2GB.
- You can store up to 5000 movie images on a memory card.
- The movie image files recorded by other equipment are not playable on this memory camcorder.
- Built-in memory used in the SC-MX10A/MX10AU only.

To check capacity that remains memory

- Press the  /  CHECK button. ➡ page 16



- 您可以在本数码摄像机上使用SDHC或者MMCplus存储卡。
根据制造商和种类的不同，一些存储卡可能不被兼容。
- 不是由本数码摄像机格式化的存储卡不能保证其正常使用。
请直接使用本数码摄像机格式化存储卡。
- 建议使用快速写入存储卡录制影音。
(写入速度: 1.25 MB/秒或更高)如果您使用的较低写入速度的存储卡，录制可能停止并且显示一则信息 "**卡速度低。请以较低质量录制。**"
若不得以使用慢速存储卡，最好将录制质量降低一级 ("**清晰**", "**标准**") 或将影音大小缩小至352p以降低文件大小。
- 影音录制/回放操作支持最大为**8GB**容量的存储卡。
大于**8GB**容量的存储卡也许无法正常工作。
- 录制影音文件至存储卡时如果产生不能写入数据的扇面，录制时间和容量可能会减少。
- 一次录制的影音文件(MPEG4)最大为2GB。
- 您能够在存储卡中贮存5000个影音文件。
- 使用其他设备录制的文件可能在本数码摄像机上不被识别。
- 仅限SC-MX10A/MX10AU 机型使用内置存储器。

检查存储卡剩余容量

- 按  /  CHECK 按钮。 ➡ 第16页

recording

Basic procedures to record movie images described below.

RECORDING MOVIE IMAGES

- Memory camcorder provides two **Recording start/stop** buttons. One is on the rear side of the camcorder and the other one is on the LCD panel. Select the **Recording start/ stop** button according to the use.

- Turn the memory camcorder on.
 - Connect a power source to the memory camcorder. ➡ page 12, 18 (A battery pack or an AC power adapter)
 - Slide the **POWER** switch downward to turn on the power ➡ page 21
 - Set the appropriate storage media. (SC-MX10A/MX10AU only) (If you want to record on a memory card, insert the memory card.)
- Check the subject on the LCD screen.
- Press the **Recording start/stop** button.
 - The recording indicator (●) will display and recording will start.
 - Pressing the **Recording start/stop** button again during recording will set the memory camcorder to recording pause mode.
- When recording is finished, turn the memory camcorder off.



- Setting the display option of "16:9 Wide" does not imply wide angle (wide aspect ratio) recording. Camera output, recording and playback signal is formatted to 4:3 aspect ratio.
- Please note that all movies recorded with this memory camcorder have 4:3 aspect ratio regardless of the display option (16:9 Wide/4:3). When it is set to "16:9 Wide", the displayed picture may appear wider or rougher than that of 4:3 screen aspect ratio. ➡ pages 55, 61

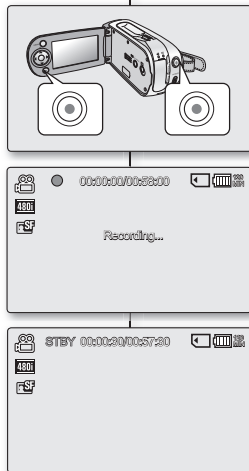
录制

以下为您介绍录制影音文件的基本操作步骤。

录制影音文件

- 本数码相机为您提供两个**录制开始/停止**按钮。一个在数码相机摄像机的侧面，另一个在LCD显示屏的面板上。根据用途选择适合操作的**录制开始/停止**按钮。

- 开启数码相机。
 - 连接电源至数码相机。 ➡ 第12, 18页 (电池组或交流电源适配器)
 - 向下滑动**POWER**电源开关开启数码相机。 ➡ 第21页
 - 选择适当的存储介质。(仅限SC-MX10A/MX10AU) (如果您想使用存储卡记录文件, 请插入存储卡。)
- 对准想要录制的主题。
- 按下**录制开始/停止**按钮。
 - 显示录制指示图标(●)并且即将开始录制。
 - 在录制的过程中, 再次按下**录制开始/停止**按钮, 数码相机将会停止录制工作。
- 完成录制, 关闭数码相机。



- 设置“**16:9宽屏幕**”的显示选项不包含广角(宽屏幕高宽比)录制。摄像机输出、录制和播放的信号被设置为4:3屏幕高宽比。
- 请注意, 无论显示选项如何, 使用该数码相机录制的所有影片都具有4:3屏幕高宽比(16:9宽屏幕/4:3)。在将其设置为“**16:9宽屏幕**”时, 显示的图片可能比以4:3屏幕高宽比显示出的图片更宽或更粗糙。 ➡ 第55、61页



- Eject the battery pack when you have finished recording to prevent unnecessary battery power consumption.
- For on-screen information display. ➡ page 22
- For approximate recording time. ➡ page 36
- For various functions available when you record movie images. ➡ page 45~56
- If focusing is difficult, use the manual focus function. ➡ page 53
- During recording, some button operations are unavailable. (MENU button, etc.)
- Sound is recorded from the internal stereo microphone on the front of the memory camcorder. Take care that this microphone is not blocked.
- Before recording an important movie, make sure to test on the recording function to check if there is any problem with the audio and video recording.
- While recording, don't insert or eject the memory card as it may record noise. (SC-MX10A/MX10AU only)
- Do not operate the power switch or remove the memory card while accessing the storage media. Doing so may damage the storage media or the data on storage media.
- You can not use a locked memory card for recording. You will see a message saying recording is disabled due to the lock.
- If you press the **Recording start/stop** button while a menu operation is in process, the product returns to recording pause mode.



- 为防止电池电量的耗费，建议您在完成录制后将电池组取出。
- 有关屏幕显示的信息。➡ 第22页。
- 有关录制时间近似数值。➡ 第36页。
- 在录制影音文件的时候可使用的功能。➡ 第45~56页。
- 如果聚焦遇到困难，建议您使用手动聚焦功能。➡ 第53页。
- 在录制过程中，某些按钮无法使用。（MENU 按钮等）
- 数码摄像机前面的内置立体麦克风记录声音。请注意不要遮挡麦克风。
- 录制一段重要的影音文件之前，请对录制功能进行测试。确保音频和视频录制没有任何问题。
- 在录制的过程中，请不要插入或者取出存储卡，避免录进噪音。（仅限SC-MX10A/MX10AU）
在访问存储介质时不要开关电源或者移动存储卡。那样做会损坏存储卡中的数据或者对存储卡本身造成损坏。
- 您无法使用被锁定的存储卡进行录制。您将会看到由于被锁定无法录制的消息。
- 如果您在菜单操作过程中按下**录制开始/停止**按钮，本产品会返回到待机模式。

recording

RECORDING WITH EASE FOR BEGINNERS (EASY.Q MODE)

- With the EASY.Q function, most of the memory camcorder settings are automatically adjusted, which frees you from detailed adjustments.
- Slide the **POWER** switch downward to turn on the memory camcorder.
 - Press the **MODE** button to set Movie Record mode (). ➡ page 21
 - Press the **EASY.Q** button.
 - When you press the **EASY.Q** button, all functions on the memory camcorder will be set to off and the recording settings will be set to the following basic modes. (Scene Mode(AE), White Balance, Auto Exposure, Anti-Shake(EIS), Digital Effect, Auto Focus and Back Light)
 - The EASY.Q and **Anti-Shake(EIS)** () indicator appear on the screen at the same time.
 - To record movie images, press the **Recording start/stop** button.
 - Recording will begin using the basic automatic settings.

To cancel EASY.Q mode

Press the **EASY.Q** button again.

- The EASY.Q and **Anti-Shake(EIS)** () indicators disappear from the screen.



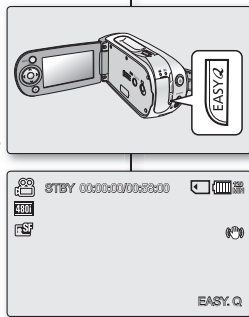
Unavailable buttons during operation

- The following button and menu operations are unavailable because the items are automatically set.
And the corresponding message(" Release the EASY.Q ") may appear if unavailable operations are attempted.
 - MENU button
 - OK button
 - etc.
- Cancel EASY.Q function if you want to add any effect or settings to the images.
- The EASY.Q mode settings are released when the memory camcorder is turned off.
- EASY.Q mode automatically sets the "Anti-Shake(EIS)" to "On" while using EASY.Q.

录制

方便初学者录制(EASY.Q 模式)

- 使用EASY.Q功能, 数码摄像机的大多数拍摄设定都自动被调节, 这将让您免去繁琐的调节步骤。
- 向下滑动**POWER**电源开关, 开启数码摄像机。
 - 按**MODE**模式按钮设定到影音录制模式 ()。➡第21页
 - 按下**EASY.Q**按钮。
 - 当您按**EASY.Q**按钮, 数码摄像机的所有功能将被关闭并且录制设定将被设置为具备以下基本模式。(场景模式(AE), 白平衡, 自动曝光, 防震动(EIS), 数字特效, 自动聚焦和背光)
 - 同时, 屏幕上将会显示出EASY.Q和**防震动(EIS)**指示图标 ()。
 - 按**录制开始/停止**按钮, 录制影音文件。
 - 录制开始即会使用基本自动设定。



取消EASY.Q模式

再次按**EASY.Q**按钮。

- 屏幕上的EASY.Q和**防震动(EIS)**指示图标 ()消失。



操作过程中不起作用的按钮

- 因为一些项目被自动设置, 所以下列按钮和菜单操作会不起作用。如果尝试不可用的操作, 可能会出现相应的消息 ("松开 EASY.Q")。
 - MENU按钮
 - OK按钮
 - 等等。
- 如果您想要为图像增加任何效果或设置, 请取消**EASY.Q**功能。
- 数码摄像机关闭电源后, **EASY.Q**模式设置不予保留。
- 使用**EASY.Q**模式, "防震动(EIS)"功能自动设置为"开"。

ZOOMING

Use the zoom function for close-up or wide-angle recording. This memory camcorder allows you to record using optical 34x power zoom and 1200x digital zoom.

- You can zoom with the Zoom lever or the zoom (W/T) button on the LCD panel.
- The further you slide the Zoom lever, the quicker the zoom action.

To zoom in

- Slide the Zoom lever towards **T** (telephoto).

To zoom out

- Slide the Zoom lever towards **W** (wide-angle).
- Zoom magnification over 34x is done through digital image processing, and is therefore called digital zoom. Digital zooming is possible up to 1200x. Set **"Digital Zoom"** to **"On"**. ➡page 56



- Be sure to keep your finger on the Zoom lever. If you move your finger off the zoom lever, the operation sound of the Zoom lever may be also recorded.
- You can also zoom with the Zoom (W/T) button on the LCD panel.
- The minimum possible distance between camcorder and subject while maintaining sharp focus is about 1 cm (about 0.39 inch) for wide angle and 50 cm (about 19.68 inch) for telephoto.
- Focusing may become unstable during zooming. In this case, set the zoom before recording and lock the focus by using the manual focus, then zoom in or out during recording. ➡page 53
- Optical zoom preserves the movie quality, but during digital zoom the quality of image may suffer.

变焦

变焦功能应用于特写或者宽角度录制。

您可以充分利用本数码相机机的34x光学变焦和1200x的数字变焦。

- 您可以使用变焦控制杆或者是LCD面板上的变焦(W/T)按钮进行变焦。
- 使用变焦控制杆，更快地进行变焦控制。

推进

- 将变焦控制杆滑向**T**端（远距）。

拉远

- 将变焦控制杆滑向**W**端（广角）。

- 数字变焦是通过数字图像处理来完成超过34x变焦放大率的。

数字变焦可达到1200x。

设置 **"数字变焦"** 为 **"开"**。 ➡第56页

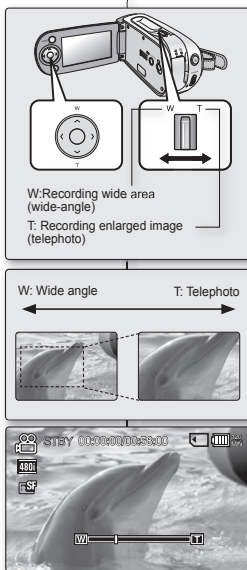


- 请确保您的手指一直按在变焦控制杆上。如果您从变焦控制杆上移开了您的手指，控制杆的操作声音也许会被记录下来。
- 您还可以使用LCD面板上的变焦按钮(W/T)进行变焦操作。
- 在摄像机和被摄主题之间存在的极小可能距离是，当广角拍摄时维持锐聚焦大约为1 cm (大约0.39英寸)，在远距拍摄时大约为50 cm (大约19.68英寸)。

- 在变焦的过程中，聚焦结果可能不会稳定。

在这种情况下，建议您在录制和锁定聚焦之前进行手动聚焦，然后在录制的过程中进行推进或拉远。 ➡第53页

- 光学变焦可以维持影音文件质量，但是如果使用数字变焦则会对影音文件的质量造成一定的影响。



playback

MOVIE IMAGES PLAYBACK

You can find a desired movie image quickly using thumbnail index views.

1. Turn the memory camcorder on.
 - Slide the **POWER** switch downward to turn on the power. ➡ page 21
 - Set the appropriate storage media. ➡ page 32 (SC-MX10A/MX10AU only)
(If you want to record on a memory card, insert the memory card.)
2. Open the LCD screen.
 - Adjust brightness or contrast of the LCD screen. ➡ page 65
3. Press the **MODE** button.
 - Switches to Movie Play mode.
 - The recorded movie images are displayed in thumbnail index view.
4. Use the **Control** button (▲/▼/◀/▶) to select the desired movie images, and the press the **OK** button.
 - Shortcut menu for playback will be displayed for a while.
 - Each time you press the **OK** button, play or pause is toggled.
 - If you move the zoom lever during playback, the camcorder switches to thumbnail index view.

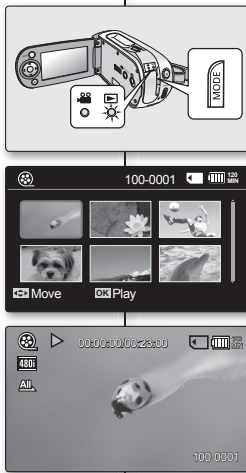


Please note that all movies recorded with this memory camcorder have 4:3 aspect ratio regardless of the display option (16:9 Wide/4:3). When it is set to "16:9 Wide", the displayed picture may appear wider or rougher than that of 4:3 screen aspect ratio. ➡ pages 55,61

播放

播放影音文件

您可以通过索引画面迅速找到想要查看的影音文件。



1. 开启数码摄像机。
 - 向下滑动**POWER**电源开关，打开电源。
➡第21页
 - 选择适当的存储介质。➡第32页
(仅限SC-MX10A/MX10AU)
(如果您想使用存储卡记录文件，请插入存储卡。)
2. 打开LCD显示屏。
 - 调整LCD显示屏的亮度或颜色。
➡第65页
3. 按**MODE**模式按钮。
 - 切换到影音播放模式。
 - 按录制的影音文件以索引画面的形式显示。
4. 使用**控制**(▲/▼/◀/▶)按钮选择要播放的影音文件，然后按下**OK**按钮确认。
 - 用于播放的快捷方式菜单将会显示一会。
 - 每次按**OK**按钮，都会触发播放或是暂停。
 - 如果您在播放时移动缩放杆，摄像机会计切换到缩略索引视图。



请注意，无论显示选项如何，使用该数码摄像机录制的所有影片都具有4:3屏幕高宽比（16:9宽屏幕 / 4:3）。在将其设置为“**16:9宽屏幕**”时，显示的图片可能比以4:3屏幕高宽比显示出的图片更宽或更粗糙。

➡第55、61页



- During playback, pressing the **Recording start/stop** button will move to Movie Record mode.
- If there is no file stored to view, the message **"Empty"** appears.
- When the multi-AV cable is connected to the memory camcorder, the built-in speaker will automatically turn off.
- Depending on the amount of data to be played back, it may take some time for the playback images to appear.
- Image data edited on PC or certain types of image data may not be displayed on this memory camcorder.
- Image data recorded on another camcorder may not be playable on this memory camcorder.
- You can also play movie images on a TV screen by connecting the memory camcorder to a TV. ➡page 77
- A video codec is required to play the recorded movie images on a PC. Install the software in the provided software CD to have the CODEC automatically installed in the system. If you do not have the software CD, search the product model name in the download center on the Samsung Electronics home page (www.samsung.com) to get the CODEC installation file. ➡page 71
- For various functions available during playback, see **"playback options"**. ➡pages 57~61



- 在播放过程中，按下**录制开始/停止**按钮会切换到影音录制模式。
- 如果没有可供查看的文件，将会出现提示信息**"空"**。
- 当AV连接电缆与数码摄像机相连，内置扬声器则会自动关闭。
- 根据播放的数据数量，显示可供播放的文件可能需要一定的反应时间。
- 在电脑上修改过的文件或是其他某些类型的文件有可能不被本数码摄像机识别。
- 本数码摄像机也许不能播放使用其他摄像机录制的文件。
- 您可以将本数码摄像机与电视相连，通过电视观看影音文件。
➡第77页
- 在电脑上播放录制好的影音文件需要一个视频转换器CODEC (COder&DECoder/编码器及译码器)。
使用提供的CD光盘安装软件，CODEC及被自动安装。
如果您没有CD光盘，请到三星电子网站(www.samsung.com)的下载中心搜索产品型号，获取CODEC安装文件。
➡第71页
- 对于在播放过程中可用的各种功能，请参阅 **"播放选项"**。
➡第57~61页

Adjusting the volume

- You can hear the recorded sound from the built-in speaker.
- You can control the volume by using the **Control** button (▲/▼).
- The level can be adjusted anywhere between 0 and 10. (If you close the LCD screen while playing, you will not hear the sound from the speaker.)

Press the **Control** button (▲/▼) to increase or decrease the volume.

- The volume bar disappears after 1~2 seconds.



调节音量

- 您可以通过内置扬声器听到已录制的声音。
- 您可以使用上下**控制**按钮来调节音量 (▲/▼)。
- 可以在0至10的范围内任意调节。
(如果在播放的过程中关闭LCD显示屏，您将不会从扬声器中听到任何声音)

按下**上下控制按钮** (▲/▼) 增大或者减小音量。

- 音量指示条会在1~2秒钟以后消失。

playback

Various Playback Operations

Still playback (Pause)

- Press the **OK** button during playback.
- To resume normal playback, press the **OK** button again.

Search playback or movie

- During normal playback, press and hold the **Control** button (**>**) for forward search, or to left reverse search.
- Moving the **Control** button to (**</>**) repeatedly increases the search speed for each direction.
 - RPS(Reverse Playback Search) rate: x2→x4→x8→x16→x32→x64
 - FPS(Forward Playback Search) rate: x2→x4→x8→x16→x32→x64
- To resume normal playback, press the **OK** button.

Skip playback of movie

- During playback, press the **Control** button (**>**) to locate the start point of next file. Pressing the **Control** button (**>**) repeatedly skips files in forward direction.
- During playback, press the **Control** button (**<**) to locate the start point of the current file, pressing the **Control** button (**<**) repeatedly skips files in reverse direction.
- Press the **Control** button (**<**) within 3 seconds from the start point, it skips to the first image of the previous file.

Frame-by-frame playback

- While playback is paused, press the **Control** button (**>**).
 - Pressing the **Control** button (**>**) repeatedly advances the still picture frame by frame.
- While playback is paused, press and hold the **Control** button to (**>**), it plays back frame by frame just like slow motion playback.
- To resume normal playback, press the **OK** button.

播放

各种播放操作

仍然播放 (暂停)

- 在播放过程中按下**OK**按钮。
 - 恢复到正常播放状态, 再次按下**OK**按钮。

搜索播放

- 在播放过程中, 按住**控制按钮** (**>**) 则向前搜索, 或者向左反向搜索。
- 按左右**控制按钮** (**</>**) 加快搜索速度。
 - RPS(后退播放搜索) 速率: x2→x4→x8→x16→x32→x64
 - FPS(前进播放搜索) 速率: x2→x4→x8→x16→x32→x64
- 恢复到正常播放状态, 按下**OK**按钮。

影音跳过播放

- 在播放的过程中, 按**控制按钮** (**>**) 从下个文件的起点开始。
 - 按**控制按钮** (**>**) 会一再向前跳选择文件。
- 在播放的过程中, 按**控制按钮** (**<**) 从上个文件的起点开始。
 - 按**控制按钮** (**<**) 会一再向后跳选择文件。
- 按**控制按钮** (**<**) 三秒钟之内从某一起点跳到第一个图像文件。

逐帧播放

- 暂停播放, 按下左右**控制按钮** (**>**)。
 - 重复按下**控制按钮** (**>**) 可逐帧向前播放静止画面。
 - 当播放暂停时, 按住**控制按钮** (**>**), 则会犹如慢动作播放一样逐帧进行播放。
 - 恢复一般播放模式, 按下**OK**按钮。



recording options

CHANGING THE MENU SETTINGS

You can change the menu settings to customize your memory camcorder. Access the desired menu screen by following the steps below, then change the various settings.

1. Slide **POWER** switch downward to turn the memory camcorder on.
2. Select the operation mode.
 - For Movie Record Menu: Press **MODE** button to set Record (📹).
 - For Movie Play Menu: Press **MODE** button to set Play (▶).
3. Press **MENU** button.
 - The menu screen appears.
4. Select the desired sub menu and menu item with the **Control** buttons and the **OK** button.
 - To return to the normal screen, press **MENU** button.
 - Even if the menu item is displayed, some item cannot be set depending on the selected mode (movie recording/playback, settings). In this case, sub menu cannot be accessed or setting cannot be changed. ➡page85



- You can also access the shortcut menu using the **OK** button. ➡page29
- While the menu screen is displayed, pressing the **Recording start/stop** button will move to Movie Record mode.

Button Tips

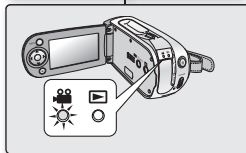
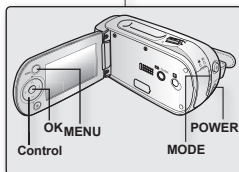
- a. **MENU** button : Use it to enter or exit the menu.
- b. **Control** button (▲/▼/◀/▶) : Use it to move up/down/left/right
- c. **OK** button : Use it to select or confirm the menu.

录制选项

更改菜单设置

您可以自行更改数码摄像机的设置。
如下所述，按照步骤访问菜单，然后更改设置。

1. 向下滑动**POWER**电源开关，开启数码摄像机。
2. 选择操作模式。
 - 预更改影音录制模式的菜单项：按**MODE**模式按钮切换到录制模式 (📹)
 - 预更改影音播放模式的菜单项：按**MODE**模式按钮切换到播放模式 (▶)
3. 按下**MENU**菜单按钮。
 - 屏幕上显示菜单。
4. 使用**控制**按钮和**OK**按钮选择预更改的子菜单和菜单项。
 - 返回到正常的屏幕显示，按**MENU**菜单按钮。
 - 即使菜单显示出来，在被选择的模式下有一些选项也不能被设置。(影音录制/停止，设置)。在这种情况下，无法进入子菜单或无法更改设置。➡第85页



- 您也可以通过**OK**按钮进入到快捷菜单。➡第29页
- 当屏幕上显示菜单时，按下**录制开始/停止**按钮将会切换到影音录制模式。

按钮指南


- a. **MENU**按钮：通过该按钮进入或退出菜单。
- b. **控制**按钮 (▲/▼/◀/▶)：通过该按钮向上/下/左/右移动。
- c. **OK**按钮：通过该按钮选择或确认菜单选项。

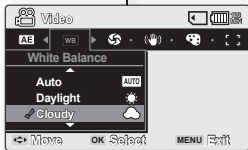
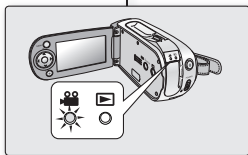
recording options

- ★ Follow the instruction below to use each of the menu items listed after this page.

For example: setting the White Balance in Movie Record mode.

1. Slide the **Power** switch to downward to turn the memory camcorder on.
2. Select the operation mode.
 - For Movie Record Menus:
Press **MODE** button to set Record (📹).
3. Press **MENU** button.
 - The menu screen appears.
4. Press the **Control** button (</>) to select "White Balance".
5. Select the desired sub menu item with the **Control** button (▲/▼), and then press the **OK** button.
6. Press **MENU** button to exit the menu.

-  • The selected is applied and the indicator is displayed.
But in case of some item just like "Auto", the item indicator may not displayed on the screen.
- While the menu screen is displayed, pressing the **Recording start/stop** button will move to Movie Record mode.
 - You can also change the menu setting, using the shortcut menu represents the most frequently accessed functions. ➡ page 29




录制选项

- ★ 以下内容为您介绍使用每个菜单项。

例如：在影音录制模式下设置白平衡。

1. 向下滑动**POWER**电源开关，开启数码摄像机。
2. 选择操作模式。
 - 影音录制菜单：
按**MODE**模式按钮切换到录制模式 (📹)。
3. 按**MENU**菜单按钮。
 - 屏幕上显示菜单。
4. 按左右控制按钮 (</>) 选择"白平衡"。
5. 按左右控制按钮选择预进入的子菜单 (▲/▼)，然后按下**OK**按钮确认选项。
6. 按**MENU**菜单按钮退出菜单。

-  • 被选择的菜单项启用并且在屏幕上显示指示图标。
但是当选项被设置为“自动”的情况下，屏幕上则不会出现相应的指示图标。
- 当屏幕上显示菜单时，按下**录制开始/停止**按钮会切换到影音录制模式。
 - 还可以更改菜单设置，使用表示最常用功能的快捷菜单。 ➡ 第29页

MENU ITEMS

- Accessible items in menu can vary depending on the operation mode.
- For operation details, see the corresponding page.
 ▶ page 45~46, 57~61

Menu items in Movie Record (📹)

item	Default value	Page
Scene Mode (AE)	Auto	48
White Balance	Auto	49
Exposure	Auto	50
Anti-Shake (EIS)	Off	51
Digital Effect	Off	52
Focus	Auto	53
Back Light	Off	54
16:9 Wide	On	55
Quality	Super Fine	55
Resolution	720x480i	56
Digital Zoom	Off	56

Menu items in Movie Play (▶)

item	Default value	Page
Play Option	Play All	57
Delete	OK	58
Protect	On	59
Copy (SC-MX10A/MX10AU/ only)	-	60
16:9 Wide	On	61
File Info	OK	61

菜单选项

- 根据操作模式的变化，菜单选项也会有相应的变化。
- 详细的操作细节，请参看对应页的内容。
 ▶ 第45~46，57~61页

影音录制模式下的菜单选项 (📹)

选项	默认参数	对应页码
场景模式 (AE)	自动	48
白平衡	自动	49
曝光	自动	50
防震动 (EIS)	关	51
数字特效	关	52
聚焦	自动	53
背光补偿	关	54
16:9 宽屏幕	开	55
质量	高清晰	55
分辨率	720x480i	56
数字变焦	关	56

影音播放模式下的菜单选项 (▶)

选项	默认参数	对应页码
播放选项	全部播放	57
删除	确定	58
保护	开	59
复制 (仅限 SC-MX10A/ MX10AU)	-	60
16:9 宽屏幕	开	61
文件信息	确定	61

recording options

RECORDING MENU ITEMS

You can setup the menu items for movie images recording.

Scene Mode (AE)

This memory camcorder automatically sets the shutter speed and aperture according to the subject brightness for optimum recording. You can also specify one of five modes depending on subject conditions, recording environment or purpose of filming.

item	contents	on-screen display
"Auto"	- Auto balance between the subject and the background. - To be used in normal conditions. - The shutter speed is automatically adjusted from 1/60 to 1/250 per second, depending on the scene.	None
"Sports"	- Reduces blurring when recording rapidly moving subjects such as in golf or tennis. If the Sports mode is used under a fluorescent light, the image may flicker. In this case, use the Auto mode for recording.	
"Portrait"	- Creates a shallow depth of field so that the person or subject appears against a softened background. - The portrait mode is most effective when used outdoors. - The shutter speed is automatically adjusted from 1/60 to 1/1000 per second.	
"Spotlight"	- Prevents overexposure of subject portrait face, etc. when strong light strikes the subject, as in a wedding or on stage.	
"Beach/Snow"	- Prevents under exposure of subject portrait face, etc. in a place where reflection of light is intense, such as at the seaside in midsummer or on a ski slope.	
"High Speed"	- For recording fast-moving subjects such as players in golf or tennis games.	



- If you set the Exposure to manual, "Scene Mode (AE)" will be disabled. ➡ page 50
- This function will not operate in the EASY.Q mode.
- You can check the selected "Scene Mode (AE)" on the on-screen information display.
However, nothing will appear in "Auto" mode.

录制选项

录制菜单选项

您可以为录制影音文件设置菜单项。

场景模式 (AE)

本数码相机可以根据被摄物体周围的光线自动调节适宜拍摄的快门速度和光圈。您可以根据录制的环境和想要得到的效果选择一个最佳的模式。

选项	内容	屏幕显示
"自动"	- 自动在被摄物体与背景之间平衡。 - 在一般情况下使用。 - 快门速度在每秒 1/60 到 1/250 的范围内自动变换，视场景而定。	无
"运动"	- 用于录制移动着的主题，例如高尔夫球或者网球。 如果在荧光灯下使用运动模式，图像可能会闪烁。 在这种情况下，请使用自动模式录制。	
"肖像"	- 用于突出被摄人物或主题模糊背景。 - 适宜在户外使用。 - 快门速度被自动调节为每秒 1/60 到 1/1000。	
"聚光"	- 补偿直接出现在强光下过亮的物体。例如婚礼或者其他场所。	
"沙滩/雪地"	- 用于反光很强烈的地方。例如盛夏的海边或者滑雪场。	
"高速"	- 用于录制快速移动着的主题，例如高尔夫球或者网球比赛的运动员。	



- 如果您设置到手动曝光，则 "场景模式 (AE)" 不起作用。
➡ 第 50 页
- 在 EASY.Q 模式下，此功能不可以使用。
- 您可以通过屏幕显示查看当前 "场景模式 (AE)"。
但是，场景模式为 "自动" 设置时，屏幕上没有相应的指示图标。

White Balance

This memory camcorder automatically adjusts the color of subject. Change the white balance setting depending on the recording conditions.



item	contents	on-screen display
"Auto"	This option is generally used to control the white balance automatically.	None
"Daylight"	This controls the white balance according to the outdoor ambience, especially for close up and where the subject is of one dominant color.	
"Cloudy"	This option is used when you make a recording in a cloudy weather.	
"Fluorescent"	This option is used when you make a recording under white fluorescent lights.	
"Tungsten"	This option is used when the surroundings are in less than 3200K of tungsten lights such as fluorescent lights.	
"Custom WB"	You can manually adjust white balance to match the light source or situation.	

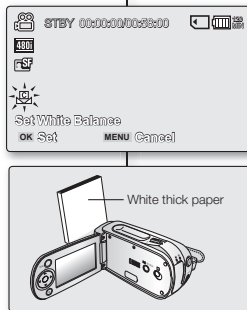
白平衡

本摄像机机会自动调整被摄主题的颜色。您可以根据录制条件更改白平衡设置。



选项	内容	屏幕显示
"自动"	自动控制白平衡。	无
"日光"	根据室外环境，尤其是接近被摄主题的地方，适当地调整颜色。	
"阴天"	适合在阴天的条件下使用。	
"荧光灯"	适合在荧光灯照明的环境下使用。	
"钨丝灯"	适合在达不到钨丝灯的 3200K 色温的环境下使用。譬如荧光灯。	
"自定义白平衡"	您还可以根据光源等情况手动调节白平衡。	

Setting the white balance manually:

- Select **"Custom WB"**.
 - The indicator () and the message **"Set White Balance"** are displayed.
- Frame a white object such as a piece of paper so that it fills the screen. Use an object that is not transparent.
 - If the object that fills the screen is not focused, correct the focus using **"Manual Focus"**
 ➡ page 53
- Press the **OK** button.
 - The white balance setting will be applied and indicator () is displayed.



手动设置白平衡:

- 选择 **"自定义白平衡"**.
 - 显示指示图标()和提示信息**"设置白平衡"**。
- 将数码摄像机对准一个白色的物体，譬如白纸，使屏幕上全是白色。对准的物体不可以是透明的。
 - 如果不能聚焦该物体，请使用**"手动聚焦"**。 ➡ 第53页
- 按**OK**按钮。
 - 设置的白平衡被启用，并且显示指示图标()。

recording options



- A subject can be recorded under various types of lighting conditions indoors (natural, fluorescent, candlelight, etc.). Because the color temperature is different depending on the light source, the subject tint will differ depending on the white balance settings. Use this function for a more natural result.
- The white balance also can be set in the shortcut menu. ➡ page 29.
- The white balance can not use while EASY.Q is in use.
- It is recommended that you specify "Digital Zoom" to "Off" before setting white balance. ➡ page 56
- Reset the white balance if lighting conditions change.
- During normal outdoor recording, setting to auto may provide better results.
- Do not use a colored object when setting white balance: The appropriate tint cannot be set.

Exposure

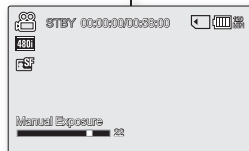
The memory camcorder usually adjusts the exposure automatically. You can also manually adjust the exposure depending on the recording conditions.

item	contents	on-screen display
"Auto"	This option automatically adjusts image brightness according to the environmental light conditions.	None
"Manual"	- You can adjust the brightness of an image manually. - Adjust the brightness when the subject is too bright or too dark.	

Setting the exposure manually:

When manually setting the exposure, the default setting appears as the value is automatically adjusted according to the environmental light conditions.

- Press the **Control** button (</>) to adjust the exposure while viewing the image on the LCD screen.
 - Confirm your selection by pressing the **OK** button.
 - Exposure value can be set between "0" and "29".
 - If you set exposure to manual, the higher the exposure, the brighter the recorded picture will be.



录制选项



- 录制一个主题可以在室内各种照明设备的环境下进行。(自然光, 荧光灯, 钨丝灯, 等。)。因为在不同光源下的色温有所不同, 所以白平衡设置后会有不同的色彩。使用本功能会得到更自然的效果。也可以通过快捷菜单设置白平衡。 ➡ 第29页
- 在使用EASY.Q功能时, 白平衡不能使用。
- 在设置白平衡之前, 请将 "数字变焦" 调整到 "关"。 ➡ 第56页
- 如果照明条件被改变, 请重新设置白平衡。
- 一般的户外录制, 设置到自动也许会更好。
- 不要使用带有颜色的物体设置白平衡。否则设置的色彩将会不自然。

曝光

本数码摄像机通常会自动调节曝光。根据录制的条件, 您还可以手动调节曝光。

选项	内容	屏幕显示
"自动"	根据照明环境, 会自动调节图像亮度。	无
"手动"	- 您可以手动调节图像亮度。 - 当拍摄主题过亮或者过暗的时候调整亮度。	

手动设置曝光:

当手动设置曝光时, 根据周围环境的亮度, 默认设置的参数会自动显示在屏幕上。

- 通过LCD显示屏观看图像, 按左右控制按钮 (</>) 调整曝光。
 - 按下**OK**按钮确认选择。
 - 可以设置的曝光参数为从"0"至"29"。
 - 如果手动设置曝光, 可以设置更高的曝光, 得到更亮的录制图像。

Manual exposure is recommended in situations listed below :

- When shooting using reverse lighting or when the background is too bright.
- When shooting on a reflective natural background such as at the beach or when skiing.
- When the background is overly dark or the subject is bright.



- The exposure also can be set in the shortcut menu. ➡page 29
- EASY.Q mode automatically sets the "Exposure" to "Auto".
- If you manually change the exposure value when "Scene Mode(AE)" function is selected, manual changes are applied first.

Anti-Shake(EIS) (Electronic Image Stabilizer)

When you use zoom to record a magnified subject image, it will correct fuzziness in the recorded image.

item	contents	on-screen display
"Off"	Disables the function.	None
"On"	Compensates for unstable images caused by camera-shake, particularly at high magnification.	

Anti-Shake(EIS) provides a more stable image when:

- Recording while zooming
- Recording small objects
- Recording while walking or moving
- Recording through the window of a moving vehicle



- EASY.Q mode automatically sets the "Anti-Shake(EIS)" to "On" while using EASY.Q.
- When "Anti-Shake(EIS) : On" is specified, there will be a slight difference between the actual movement and the movement on screen.
- Gross camcorder shake may not be entirely corrected even if "Anti-Shake(EIS) : On" is specified.
Firmly hold the memory camcorder with both hands.
- It is recommended that you specify "Anti-Shake(EIS) : Off" when using the memory camcorder on a desk or tripod.
- When you record pictures with 34x or more magnification and the "Anti-Shake(EIS)" is "On" in dim places, after-images may stand out. In this case, we recommend using a tripod and turning the "Anti-Shake(EIS)" to "Off".

推荐在所列出的条件下使用手动曝光:

- 当使用反向照明设备发射光源或者当背景太明亮的时候。
- 当自然背景反射出强光的时候。譬如在沙滩或是滑雪场。
- 当背景过暗或是被摄主题比较明亮的时候。



- 您还可以通过快捷菜单设置曝光。 ➡第29页
- EASY.Q模式下会自动将“曝光”设置到“自动”。
- 当在选择了“场景模式 (AE)”时，如果您手动更改曝光参数，手动更改内容会首先被应用。

防震动(EIS) (电子防震稳定器)

当您录制通过变焦放大的主题图像，它可以改变录制结果模糊的情况。

选项	内容	屏幕显示
"关"	不使用此项功能。	无
"开"	应用于改善由摄像机震动或者是高倍放大时录制到不稳定的图像。	

当在以下情况时，防震动(EIS)为您提供更加稳定的图像:

- 录制的时候变焦
- 录制较小的物体
- 走路或者移动的时候录制
- 录制窗外行驶的车辆。









- 在使用EASY.Q模式时，EASY.Q模式会自动将“防震动(EIS)”设置为“开”。
- 当“防震动(EIS)”选定为“开”，屏幕上移动和相对移动的物体会略有区别。
- 即使“防震动(EIS)”选定为“开”，也不能完全改善由于摄像机震动造成的影响。
建议您还是用双手牢固地握住数码相机。
- 当“防震动(EIS)”选定为“关”时，建议您还是使用三角架或者将数码相机放在桌子上使用。
- 当您在昏暗的地方录制影音的时候，运用了34x或是扩大更多倍数并且“防震动(EIS)”选定为“开”，图像也可能会抖动。在这种情况下，建议您使用三角架或者将“防震动(EIS)”调节至“关”的状态。

recording options

Digital Effect

- The digital effect enables you to give a creative look to your recording.
- Select the appropriate digital effect for the type of picture that you wish to record and the effect you wish to create.
- There are 6 different digital effect options.

item	contents	on-screen display
"Off"	Disables the function.	None
"Black&White"	Changes the images into Black and White.	
"Sepia "	This mode gives the images a reddish brown pigment.	
"Negative"	Reverses the colors, creating the look of a negative.	
"Art"	Adds artistic effects to your movie file.	
"Mosaic"	A mosaic overlay appears on your movie file.	
"Mirror"	This mode cuts the image in half using a Mirror effect.	



The digital effects can not use while EASY.Q is in use.



Black&White



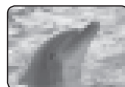
Sepia



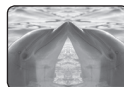
Negative



Art



Mosaic



Mirror

录制选项

数字特效

- 数字特效为您录制的影音提供创造性的视觉效果。
- 您可以选择适当的数字特效，应用该功能为您提供专业级的视觉效果。
- 有6种不同的数字特效可供选择。

选项	内容	屏幕显示
"关"	不使用此功能。	无
"黑白"	将图像变为黑白的。	
"仿旧"	图像以深褐色显示，产生类似旧照片的效果。	
"底片"	将颜色倒置，产生如底片的效果。	
"艺术"	为影音文件增加艺术效果。	
"马赛克"	在您的影音文件上创建马赛克效果。	
"镜像"	此模式使用镜面效果，把图像切成一半。	



在使用EASY.Q的时候，数字特效不起作用。

Focus

- The memory camcorder usually focuses on a subject automatically (auto-focus).
- You can also manually focus a subject depending on the recording conditions.

item	contents	on-screen display
"Auto"	This memory camcorder automatically focuses a subject at the center of screen (auto-focus). When the memory camcorder is turned on, auto-focus will always be set.	None
"Manual"	Manual focusing may be necessary under certain conditions that make automatic focusing difficult or unreliable.	

Focusing manually during recording

This memory camcorder automatically focuses a subject from close-up to infinity. However, the correct focus may not be obtained depending on the recording condition. In this case, use the manual focus mode.

1. Select "Focus" to "Manual".
 - The manual focus adjustment indicator appears.
2. Use the zoom lever to zoom in on subject.
3. Press the **Control** button (</>) to adjust the focus, while viewing the subject on the LCD screen.

Focusing on a further subject

To focus on a further subject, press the **Control** button (<).

Focusing on a nearer subject

To focus on a nearer subject, press the **Control** button (>).

Manual focus is recommended in the following situations : <Nearer subject >

- a. A picture containing several objects, some close to the memory camcorder, others further away.
- b. A person enveloped in fog or surrounded by snow.
- c. Very shiny or glossy surfaces like a car.
- d. People or objects moving constantly or quickly like an athlete or a crowd.



- The focus also can be set in the shortcut menu. ➡ page 29
- EASY.Q mode automatically sets the "Focus" to "Auto".
- Be sure to zoom in on your subject before manually focusing on it. If you bring the subject into focus at the "W" control side, focus will be faulty when you turn the zoom lever to the "T" control side to zoom in on the subject.

聚焦

- 数码摄像机通常会自动聚焦被摄的主题。(自动聚焦)。
- 根据录制的条件,您还可以对被摄主题进行手动聚焦。

选项	内容	屏幕显示
"自动"	本数码摄像机会对对准被摄主题在屏幕中心的位置进行自动聚焦。(自动聚焦)。当数码摄像机开启,自动聚焦总是被设置。	无
"手动"	在自动聚焦遇到困难的时候,也许您可以选择使用手动聚焦。	

在录制的过程中使用手动聚焦

本数码摄像机自动聚焦特写至无限大的被摄主题。然而,根据录制的情况也许不能够正确地聚焦。在这种情况下,建议您使用手动聚焦模式。

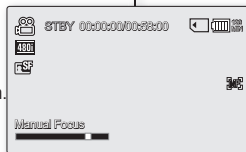
1. 选择 "聚焦" 至 "手动"。
 - 显示手动聚焦调整指示图标。
2. 使用变焦控制杆向被摄主题推近。
3. 从LCD显示屏上查看被摄主题,使用左右控制按钮 (</>) 调整聚焦。

聚焦一个较远的主题

聚焦在一个较远的主题,按控制按钮 (<)。

聚焦一个较近的主题

聚焦在一个较近的主题,按控制按钮 (>)。



<Further subject >

建议您在以下的情况使用手动聚焦:

- a. 一个画面内存在很多物体,一些离数码摄像机很近,一些距离得比较远。
- b. 人被包围在雾气里或者周围是一片雪。
- c. 如同汽车一样很亮或表面非常光滑。
- d. 有如运动员或者人群一样经常快速移动。




- 您还可以通过快捷菜单设置聚焦。 ➡ 第29页
- EASY.Q模式会自动设置 "聚焦" 为 "自动"。
- 请务必在手动聚焦之前推近到您想要录制的主题。如果您在捕捉被摄主题的时候变焦指示条在 "W" 端,则当您变焦控制杆拨到 "T" 端时,原来聚焦的焦点将会被破坏。

recording options

Back Light

When subject is lit from behind, this function will compensate for lighting so that the subject is not too dark.

item	contents	on-screen display
"Off"	Disables the function.	None
"On"	- Backlight compensation is executed. - Backlight compensation brightens the subject quickly.	

Back lighting influences recording when the subject is darker than the background:

- The subject is in front of a window.
- The subject is against a snowy background.
- The subject is outdoors and the background is overcast.
- The light sources are too bright.
- The person to be recorded is wearing white or shiny clothes and is placed against a bright background:
The person's face is too dark to distinguish his/her features.




<BLC off>

录制选项

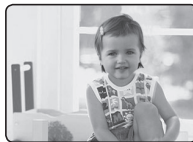
背光补偿

当光源从被摄主题的后面照过来的时候,此功能可以增加被摄主题亮度,以至于被摄主题不会太暗。

选项	内容	屏幕显示
"关"	不使用此项功能。	无
"开"	- 启用背光补偿。 - 背光补偿快速使被摄主题亮起来。	

当被摄主题比背景暗时,从后面照过来的光源会影响录制:

- 被摄主题在窗户前。
- 以雪地作为背景。
- 被摄主题在户外并且背景较暗。
- 照明光源过于明亮。
- 被摄人物穿着白色或者明亮的衣服并且所处的位置背景光明亮:
人物的脸色太暗以致于不能够很好地辨别他/她的容貌。



<BLC on>



The "Back Light" function can not use while EASY.Q is in use.



在EASY.Q模式下,不能够使用“背光补偿”功能。

16:9 Wide

You can select the desired LCD display aspect ratio for recording or playback (16:9 Wide/4:3 aspect ratio).

item	contents	on-screen display
"Off"	Disables the function. Displays the image in 4:3 aspect ratio. Select to use the standard display aspect ratio of 4:3 on the screen.	None
"On"	Select to view movies of 4:3 aspect ratio by enlarging and fitting into 16:9 aspect ratio.	None



- 16:9 wide setting also can be set in the shortcut menu. ➡ page 29.
- Please note that all movies recorded with this memory camcorder have 4:3 aspect ratio regardless of the display option (16:9 Wide/4:3). When it is set to "16:9 Wide", the displayed picture may appear wider or rougher than that of 4:3 screen aspect ratio.

Quality

You can select the quality of a movie to be recorded. This memory camcorder can record in the **SF** (super fine), **F** (fine) and **N** (normal) modes.

item	contents	on-screen display
"Super Fine"	Displays in the supreme quality.	
"Fine"	Displays in high quality.	
"Normal"	Displays in normal quality.	



- You can record the same scene in three quality levels of **"Super Fine, Fine, Normal"**. However, the better the quality is, the bigger the data size is.
- The recording times depend on the quality of a movie to be recorded. ➡ page 36

16:9 宽屏幕

在录制或播放(16:9宽屏幕 / 4:3屏幕高宽比)时您可以选择期望的LCD 显示屏幕高宽比。

选项	内容	屏幕显示
"关"	禁用此功能。以 4:3 屏幕高宽比显示图像。 在该屏幕上选择以使用 4:3 标准显示屏幕高宽比。	无
"开"	通过放大和调整成 16:9 屏幕高宽比，选择以观看 4:3 屏幕高宽比的影片。	无



- 您还可以通过快捷菜单设置到 16:9 宽屏幕。➡ 第29页
- 请注意，无论显示选项如何，使用该数码摄像机录制的所有影片都具有 4:3 屏幕高宽比 (16:9 宽屏幕 / 4:3)。在将其设置为 **"16:9 宽屏幕"** 时，显示的图片可能比以 4:3 屏幕高宽比显示出的图片更宽或更粗糙。

质量

您可以选择录制影音文件的质量。本数码摄像机为您提供三种录制的质量，**SF** (高清晰)，**F** (清晰) 和 **N** (标准)。

选项	内容	屏幕显示
"高清晰"	以最高的质量显示。	
"清晰"	以高的质量显示。	
"标准"	以一般的质量显示。	



- 您能使用 **"高清晰，清晰，标准"** 三种质量录制同一种场景。然而，质量越高，文件越大。
- 录制的时间取决于录制影音时所选的质量。➡ 第36页

recording options

Resolution

- You can select the resolution of a movie to be recorded.

item	contents	on-screen display
"720x480i"	Resolution of the movie played on a TV screen.	
"720x480p"	Higher resolution of the movie played on a PC screen.	
"352x240p"	Lower resolution of the movie played on a PC screen.	



- High resolution images use more memory than lower resolution images. Therefore the higher the resolution selected, the fewer will be the available time available.
- The recording times depend on the resolution. ➡ page 36
- When the screen size is set to 352(352x240p), it is played back in smaller size than 720(720x480) on PC.

Digital Zoom

- You can select the maximum zoom level in case you want to zoom to a level greater than 34x (the default setting) during recording. Up to 34x zoom is performed optically, and after that, up to 1200x zoom is performed digitally. Note that the image quality decrease when you use the digital zoom.

item	contents	on-screen display
"Off"	Only optical zoom is available up to 34x.	-
"On"	Digital zoom is available up to 1200x. Moving the zoom lever will display the digital zoom bar.	-



- You can also zoom with the zoom (W/T) button on the LCD panel.
- The image quality may deteriorate depending on how much you zoom in on the subject.
- Maximum zooming may result in lower image quality.



录制选项

分辨率

- 您可以选择录制影音的分辨率。

选项	内容	屏幕显示
"720x480i"	使用电视播放影音文件的分辨率。	
"720x480p"	在电脑屏幕上播放影音文件的更高分辨率。	
"352x240p"	在电脑屏幕上播放影音文件的较低分辨率。	



- 高分辨率图像会比低分辨率图像占用更多的存储空间。所以选择高分辨率将会减少可录制的时间。
- 可录制时间取决于分辨率。 ➡ 第36页
- 当把屏幕尺寸设置为352(352x240p)，则在电脑上播放的尺寸会小于720(720x480)。

数字变焦

- 在录制的过程中，如果预得到大于34x(默认设置)的变焦值，您可以通过变焦控制杆选择更大的变焦。执行大于34x变焦以后，即会开始执行1200x的数字变焦。注意当您使用数字变焦的时候会影响到录制图像的质量。

选项	内容	屏幕显示
"关"	仅使用达到34x的光学变焦。	-
"开"	数字变焦可达到1200x。 移动变焦控制杆将会显示数字变焦控制条。	-



- 您还可以通过LCD面板上的变焦按钮(W/T)进行变焦。
- 根据您对被摄主题放大的倍数，图像质量也许会有所下降。
- 最大变焦也许会降低图像质量。

playback options

- You can manage recorded movie images in various ways.
- Each thumbnail image shown in the display represents the first frame of a separately recorded movie.

SETTING THE PLAY OPTION

- You can play all images continuously or play the selected image only.
- You can also set the repeat option for all images.

1. Slide the **POWER** switch downward to turn on the memory camcorder.
 - Set the appropriate storage media.
(SC-MX10A/MX10AU only) (If you want to record on a memory card, insert the memory card.)
2. Press the **MODE** button. ➡ page 21
 - Switches to Movie Play mode.
 - The recorded movie images are displayed in thumbnail index view.
3. Press the **MENU** button.
 - Press the **Control** button(</>) to select "Play Option".
4. Press the **Control** button(∧/∨) to select an option, and then press the **OK** button.

item	contents
"Play All"	Plays back from the selected image to the last image.
"Play One"	The selected movie images will be played.
"Repeat All"	All movie images will be played repeatedly.
"Repeat One"	The selected movie images will be played repeat.

5. Press the **MENU** button to exit the menu.
 - During playback, the selected item is applied



- While the menu screen is displayed, pressing the **Recording start/stop** button will move to Movie Record mode.
- It operates identically in the single image display.

播放选项

- 您可以通过各种途径管理录制的影音文件。
- 屏幕上每个索引画面均显示为录制各个影音图像时的第一帧。

设置播放选项

- 您可以连续播放所有的文件或是仅播放所选的文件。
- 您还可以设置重复播放所有的文件。

1. 向下滑动**POWER**电源开关, 开启数码相机。
 - 选择适当的存储介质。(仅限SC-MX10A/MX10AU)(如果您想使用存储卡记录文件, 请插入存储卡。)
2. 按**MODE**模式按钮。➡第21页
 - 切换到影音播放模式。
 - 以索引画面的形式显示所录制的图像。
3. 按**MENU**菜单按钮。
 - 按左右控制按钮(</>)选择"播放选项"。
4. 按下下控制按钮(∧/∨)进行选择, 然后按下**OK**按钮确认选项。

选项	内容
"全部播放"	从选择的文件开始播放至最后的一个文件。
"播放一个"	播放所选的文件。
"全部重复"	重复播放所有影音文件。
"重复一个"	重复播放所选的影音文件。

5. 按**MENU**菜单按钮退出菜单。

- 按照所选选项执行播放任务。




- 在显示菜单或索引画面屏幕时, 按下**录制开始/停止**按钮将会移至"影音录制"模式。
- 仅有一个显示的文件时, 也有相同的操作。

playback options

DELETING MOVIE IMAGES

- You can delete saved movie images.
1. Slide the **POWER** switch downward to turn on the memory camcorder.
 - Set the appropriate storage media. (SC-MX10A/MX10AU only) (If you want to record on a memory card, insert the memory card.)
 2. Press the **MODE** button. ➡ page 21
 - Switches to Movie Play mode.
 - Select the desired movie images, using the **Control** button.
 3. Press the **MENU** button.
 4. Press the **Control** button (</>) to select "**Delete**".
 5. Select an option by pressing the **Control** button (▲/▼) and then press the **OK** button.

item	contents
"OK"	Deletes the selected movie image.
"Multi Select"	Deletes individual selected movie images. -To delete individual movie images to delete by pressing the OK button. And then press the MENU button to delete. -The indicator () is displayed on the selected movie images. Pressing the OK button toggles the selection and release.
"All"	Deletes all movie images.

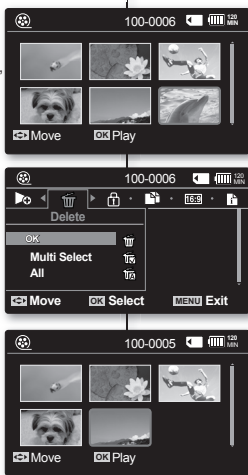
6. The pop-up selection menu will appear depending on the selected menu item. In this case, select the desired item with the **Control** buttons (</>) and the **OK** button.
 - Accordingly the deleted images also disappear in thumbnail images.
-  While the menu screen is displayed, pressing the **Recording start/stop** button will move to Movie Record mode.
- It operates identically in the single image display.
 - Once deleted, a image can not be restored.
 - Protected files will not be deleted.

播放选项


删除影音文件

- 您可以删除保存的影音文件。

1. 向下滑动**POWER**电源开关，开启数码摄像机。
 - 选择适当的存储介质。(仅限SC-MX10A/MX10AU)(如果您想使用存储卡记录文件，请插入存储卡。)
2. 按**MODE**模式按钮。 ➡第21页
 - 切换到影音播放模式。
 - 使用**控制**按钮选择要播放的影音文件。
3. 按**MENU**菜单按钮。
4. 按左右**控制**按钮 (</>) 选择 "**删除**".
5. 按下下**控制**按钮 (▲/▼) 进行选择，然后按下**OK**按钮确认。



选项	内容
"确定"	删除当前选择的影音文件。
"多项选择"	删除选择的影音文件。 -预删除个别的影音文件，请选择该文件后按下 OK 按钮确认。然后按 MENU 菜单按钮进行删除。 -被选的影音文件上显示指示图标 ()。按下 OK 按钮触发选择并开始执行命令。
"全部"	删除全部影音文件。

6. 根据选项弹出的所选菜单。
按左右**控制**按钮 (</>) 进行选择，然后按下**OK**按钮确认。
 - 索引画面上不再显示被删除的图像。
-  在显示菜单或索引画面屏幕时，按下**录制开始/停止**按钮将会移至"影音录制"模式。
- 仅有一个显示的文件时，也有相同的操作。
 - 图像一旦被删除，则无法恢复。
 - 无法删除被保护的图像。

PROTECTING MOVIE IMAGES

- You can protect saved important movie images from accidental deletion.
- Protected images will not be deleted unless you release the protection or format the memory.

- Slide the **POWER** switch downward to turn on the memory camcorder.
 - Set the appropriate storage media. (SC-MX10A/MX10AU only)
(If you want to record on a memory card, insert the memory card.)
- Press the **MODE** button. ➡ page 21
 - Switches to Movie Play mode.
 - Select the desired movie images, using the **Control** button.
- Press the **MENU** button.
 - Menu screen appears.
- Press the **Control** button (</>) to select "Protect".
- Select an option by pressing the **Control** button (▲/▼) and then press the **OK** button.

item	contents
"On"	Protects the selected movie image from deletion.
"Multi Select"	Protects selected movie images from deletion - To protect individual movie images, select desired movie images by pressing the OK button. And then press the MENU button to confirm. - The indicator (🔒) is displayed on the selected movie images. - Pressing the OK button toggles the selection and release.
"All On"	Protects all movie images.
"All Off"	Cancels the protection for all movie images.

- The pop-up selection menu will appear depending on the selected menu item. In this case, select the desired item with the **Control** buttons (</>) and the **OK** button.

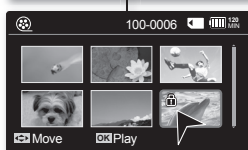
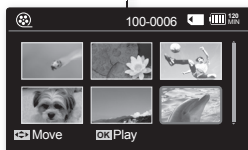


- While the menu screen is displayed, pressing the Recording start/stop button will move to Movie Record mode.
- It operates identically in the single image display.
- Protected movie images will show the indicator (🔒) when they are displayed.
- If the write protection tab on the memory card is set to lock, you cannot set image protection.

保护影音文件

- 您可以将比较重要的影音文件保护起来，以免被意外删除。
- 被保护的文件将不会被删除，除非您撤销保护或者格式化存储卡。

- 向下滑动**POWER**电源开关，开启数码相机。
 - 选择适当的存储介质。(仅限SC-MX10A/MX10AU)(如果您想使用存储卡记录文件，请插入存储卡。)
- 按**MODE**模式按钮。➡第21页
 - 切换到影音播放模式。
 - 使用**控制**按钮选择预保护的影音文件。
- 按**MENU**菜单按钮。
 - 屏幕上显示菜单。
- 按左右**控制**按钮 (</>) 选择 "保护"。
- 按上下**控制**按钮 (▲/▼) 进行选择，然后按下**OK**按钮确认。



选项	内容
"开"	保护当前选择的影音文件以免被删除。
"多项选择"	保护所选的影音文件以免被删除。 - 预保护个别的影音文件，请选择该文件后按下 OK 按钮确认。然后按 MENU 菜单按钮进行保护。 - 被选的影音文件上显示指示图标 (🔒)。 - 按下 OK 按钮触发选择并开始执行命令。
"全部打开"	保护全部影音文件。
"全部关闭"	取消保护全部影音文件。

- 根据选项弹出的所选菜单。
按左右**控制**按钮 (</>) 进行选择，然后按下**OK**按钮确认。




- 在显示菜单时，按下**录制开始/停止**按钮将会移至"影音录制"模式。
- 当在单画面显示情况下，也有相同的操作。
- 受保护的影音文件上显示相应的指示图标 (🔒)。
- 如果存储卡上的写保护片被锁上，您将无法设置保护文件。

playback options

COPYING MOVIE IMAGES (SC-MX10A/MX10AU ONLY)

- Movie images are copied to the destination storage with leaving original movie images in the source storage.
 - It copies from the currently-used memory to another. For example, if the built-in memory was used, it copies to a memory card.
- Slide the **POWER** switch downward to turn on the memory camcorder.
 - Set the appropriate storage media. (SC-MX10A/MX10AU only) (If you want to record on a memory card, insert the memory card.)
 - Press the **MODE** button. ➡ page 21
 - Switches to Movie Play mode.
 - Select the desired movie images, using the **Control** button.
 - Press the **MENU** button.
 - Menu screen appears.
 - Press the **Control** button (</>) to select "Copy".
 - Select an option by pressing the **Control** button (▲/▼) and then press the **OK** button.

item	contents
"OK"	Copies the selected movie images.
"Multi Select"	Copies the individual movie images. <ul style="list-style-type: none">To copy individual movie images, select desired movie images by pressing the OK button.The indicator () is displayed on the selected movie images. And then press the MENU button to confirm.Pressing the OK button toggles the selection and release.
"All"	Copies all the movie images.

- The pop-up selection menu will appear depending on the selected menu item. In this case, select the desired item with the **Control** buttons (</>) and the **OK** button.



- While the menu screen is displayed, pressing the **Recording start/stop** button will move to Movie Record mode.
- It operates identically in the single image display.
- If a memory card is not inserted, you can not perform the "Copy" function.

播放选项

复制影音文件(仅限SC-MX10A/MX10AU)

- 将影音文件从原来储存的位置复制到另一个地方。
 - 它可以将文件从当前的存储介质复制到另一个存储介质。例如，将文件从内置存储器复制到存储卡。
- 向下滑动**POWER**电源开关，开启数码相机。

- 选择适当的存储介质。(仅限SC-MX10A/MX10AU) (如果您想使用存储卡记录文件，请插入存储卡)。

- 按**MODE**模式按钮。➡第21页


- 切换到影音播放模式。
- 通过**控制**按钮选择预复制的影音文件。

- 按**MENU**菜单按钮。

- 屏幕上显示菜单。

- 按左右**控制**按钮(</>)选择"复制"。

- 按上下**控制**按钮(▲/▼)进行选择，然后按下**OK**按钮确认。

选项	内容
"确定"	复制当前所选影音文件。 复制所选的影音文件。
"多项选择"	预复制个别的影音文件，请选择该文件后按下 OK 按钮确认。然后按 MENU 菜单按钮进行保护。 被选的影音文件上显示指示图标()。 按下 OK 按钮触发选择并开始执行命令。
"全部"	复制全部影音文件。

- 根据选项弹出的所选菜单。

按左右**控制**按钮(</>)进行选择，然后按下**OK**按钮确认。



- 在显示菜单时，按下**录制开始/停止**按钮将会移至"影音录制"模式。
- 即使在单画面显示情况下，也可以执行此操作。
- 如果数码相机未插入存储卡，则不能使用"复制"功能。

16:9 Wide

You can select the desired LCD display aspect ratio for recording or playback (16:9 Wide/4:3 aspect ratio).

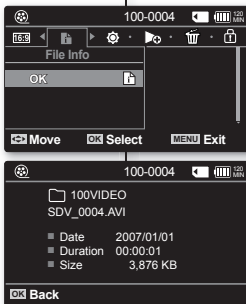
item	contents	on-screen display
"Off"	Disables the function. Displays the image in 4:3 aspect ratio. Select to use the standard display aspect ratio of 4:3 on the screen.	None
"On"	Select to view movies of 4:3 aspect ratio by enlarging and fitting into 16:9 aspect ratio.	None

Please note that all movies recorded with this memory camcorder have 4:3 aspect ratio regardless of the display option (16:9 Wide/4:3). When it is set to "16:9 Wide", the displayed picture may appear wider or rougher than that of 4:3 screen aspect ratio.

FILE INFORMATION

You can see the image information for all images.

- Slide the **POWER** switch downward to turn on the memory camcorder.
 - Set the appropriate storage media. (SC-MX10A/MX10AU only) (If you want to record on a memory card, insert the memory card.)
- Press the **MODE** button. ➡ page 21
 - Switches to Movie Play mode.
- Select the desired movie images, using the **Control** button.
- Press the **MENU** button.
- Press the **Control** button (◀/▶) to select "File Info".
- Press the **OK** button.
 - Press the **OK** button again after confirming.
 - The information of the selected file is displayed as shown below.
 - Date
 - Duration
 - Size



16:9 宽屏幕

在录制或播放(16:9宽屏幕 / 4:3屏幕高宽比)时您可以选择期望的 LCD 显示屏幕高宽比。

选项	内容	屏幕显示
"关"	禁用此功能。以 4:3 屏幕高宽比显示图像。 在该屏幕上选择以使用 4:3 标准显示屏幕高宽比。	无
"开"	通过放大和调整成 16:9 屏幕高宽比, 选择以观看 4:3 屏幕高宽比的影片。	无

请注意, 无论显示选项如何, 使用该数码摄像机录制的所有影片都具有4:3屏幕高宽比 (16:9宽屏幕 / 4:3)。在将其设置为"16:9宽屏幕"时, 显示的图片可能比4:3屏幕高宽比显示出的图片更宽或更粗糙。

文件信息

您可以查看所有文件的信息。

- 向下滑动**POWER**电源开关, 开启数码摄像机。
 - 选择适当的存储介质。(仅限SC-MX10A/MX10AU)
(如果您想使用存储卡记录文件, 请插入存储卡)。
- 按**MODE**模式按钮。 ➡第21页
 - 切换到影音播放模式。
- 通过**控制**按钮选择预查看信息的文件。
- 按**MENU**菜单按钮。
- 按左右**控制**按钮(◀/▶)选择"文件信息"。
- 按**OK**按钮确认。
 - 查看完毕, 再次按下**OK**按钮退出文件信息显示。
 - 屏幕上显示所选文件的信息如下。
 - 日期
 - 持续时间
 - 大小

setting options

CHANGING THE MENU SETTINGS IN "SETTINGS"

You can change the menu settings to customize your memory camcorder. Access the desired menu screen by following the steps below and change the various settings.

1. Slide **POWER** switch downward to turn the memory camcorder on.
2. Press **MENU** button.
 - The menu screen appears.
3. Select "**Settings**" with the **Control** button (\leftarrow/\rightarrow), and then press the **OK** button.
 - The menus in "**Settings**" mode will appear.
4. Select the desired sub menu and menu item with the **Control** buttons ($\wedge/\vee/\leftarrow/\rightarrow$) and the **OK** button.
 - To return to the normal screen, press **MENU** button.
 - Even if the menu item is displayed, some item cannot be set depending on the selected mode (movie recording/playback, settings). In this case, sub menu cannot be accessed or setting cannot be changed. (If there is no storage media inserted, it can not be selected and will be dimmed on the menu: "**Memory Info**", "**Format**", etc.) ➡page 92

Button Tips

- a. **MENU** button : Use it to enter or exit the menu.
- b. **Control** button ($\wedge/\vee/\leftarrow/\rightarrow$) : Use it to move up/down/left/right
- c. **OK** button : Use it to select or confirm the menu.



The pop-up selection menu will appear depending on the selected menu item.

In this case, select the desired item with the **Control** buttons (\leftarrow/\rightarrow) and the **OK** button.

设置选项

在“设置”菜单中更改设置

您可以自定义更改数码摄像机的菜单设置。按照以下步骤访问菜单，更改各项设置。

1. 向下滑动**POWER**电源开关，开启数码摄像机。
2. 按**MENU**菜单按钮。
 - 屏幕上显示菜单。
3. 通过左右控制按钮 (\leftarrow/\rightarrow) 选择“设置”，然后按下**OK**按钮确认。
 - 屏幕上显示“设置”菜单。
4. 通过上下左右控制按钮 ($\wedge/\vee/\leftarrow/\rightarrow$) 选择预更改的子菜单或菜单项，然后按**OK**按钮确认。
 - 返回正常的屏幕显示，按**MENU**菜单按钮。
 - 根据所选的模式不同，一些菜单选项即使显示出来，也不一定可以进行设置（录制开始/停止，等设置）。在这种情况下，子菜单也许无法被选，或是不能被更改。（如果没有插入存储介质，就无法选择，并在以下菜单中变暗：“存储信息”、“格式化”等）。

➡第92页

按钮指南

- a. **MENU** 按钮：通过该按钮进入或退出菜单。
- b. **控制** 按钮 ($\wedge/\vee/\leftarrow/\rightarrow$)：通过该按钮向上/下/左/右移动。
- c. **OK** 按钮：通过该按钮选择或确认菜单选项。



根据选项弹出的所选菜单。

按左右控制按钮 (\leftarrow/\rightarrow) 进行选择，然后按下**OK**按钮确认。

You can setup the date/time, OSD language and display settings of the memory camcorder.

SETTING MENU ITEMS

Items	Default value	Page
Date/Time Set	2007/01/01 12:00 AM	64
Date Format	YY/MM/DD	64
Time Format	12 Hr	64
Date/Time	Off	64
LCD Brightness	40%	65
LCD Color	50%	65
Auto Power Off	Off	65
Beep Sound	On	66
File No.	Series	66
Memory Type (SC-MX10A/MX10AU only)	-	66
Memory Info	OK	67
Format	OK	67
Default Set	OK	68
Version	-	68
Language	English	68
USB Connect	Mass Storage	68
Demo	Off	68



These Items and Default value may be changed without notice.

您可以设置数码摄像机的日期/时间，OSD语言和其他内容。

设置菜单项

选项	默认参数	页码
日期 / 时间设置	2007/01/01 12:00 AM	64
日期格式	年 / 月 / 日	64
时间格式	12 小时制	64
日期 / 时间	关	64
LCD 亮度	40%	65
LCD 颜色	50%	65
自动断电	关	65
蜂鸣音	开	66
文件号 ...	连续	66
存储类型 (仅限 SC-MX10A/ MX10AU)	-	66
存储信息	确定	67
格式化	确定	67
默认设置	确定	68
版本	-	68
Language	中文	68
USB 连接	海量存储	68
演示	关	68



以上选项和默认参数也许会更改，恕不另行通知。

setting options

Date/Time Set

Set the current date and time so that the date and time at which you make a recording can be recorded correctly. ➡ page 31

Date Format

You can select the date format to display.

settings	contents	on-screen display
"YY/MM/DD"	The date is displayed in the order of year / month / date.	-
"DD/MM/YY"	The date is displayed in the order of date / month / year.	-
"MM/DD/YY"	The date is displayed in the order of month / date / year.	-

Time Format

You can select the time format to display.

settings	contents	on-screen display
"12 Hr"	The time is displayed as the unit of 12 hours.	-
"24 Hr"	The time is displayed as the unit of 24 hours.	-

Date/Time

You can set to display date and time on the LCD monitor.

- Before you use the "Date/Time" function, you must set the date/time. ➡ page 31

settings	contents	on-screen display
"Off"	The date and time are not displayed.	None
"Date"	The date is displayed.	2007/01/01
"Time"	The time is displayed.	12:00AM
"Date & Time"	The date and time are displayed.	2007/01/01 12:00AM



The date/time will read "2007/01/01 12:00 AM" in the following conditions.

- When the button type battery becomes weak or dead.

设置选项

日期/时间设置

设置当前的日期/时间，以便在录制的时候能够显示正确的日期和时间。 ➡第31页

日期格式

您可以选择显示的日期格式。

设置	内容	屏幕显示
"年/月/日"	日期按照年/月/日的顺序显示。	-
"日/月/年"	日期按照日/月/年的顺序显示。	-
"月/日/年"	日期按照月/日/年的顺序显示。	-

时间格式

您可以选择显示的时间格式。

设置	内容	屏幕显示
"12 小时制"	时间以12小时制显示。	-
"24 小时制"	时间以24小时制显示。	-

日期/时间

您可以设置LCD显示屏显示的日期和时间。

- 在您使用“日期/时间”功能以前，请您务必设置日期/时间选项。 ➡第31页

设置	内容	屏幕显示
"关"	不显示日期和时间。	无
"日期"	显示日期。	2007/01/01
"时间"	显示时间。	12:00AM
"日期/时间"	显示日期和时间。	2007/01/01 12:00AM



日期/时间显示为"2007/01/01 12:00 AM"。

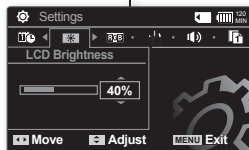
- 当纽扣电池电量即将耗尽或者电量已经枯竭时。

LCD Brightness

- You can adjust the brightness of the LCD screen to compensate for ambient lighting conditions.
- Moving the **Control** button up will brighten the screen whereas moving it down will darken the screen.



- A brighter LCD screen setting consumes more battery power.
- Adjust the LCD brightness when the ambient lighting is too bright and the monitor is hard to see.
- LCD Brightness does not affect the brightness of images to be stored.
- You can adjust the LCD Brightness from 0% to 100%.



LCD亮度

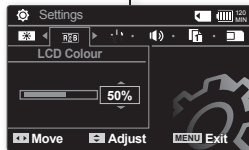
- 根据四周的照明设备情况，您可以进行调节LCD屏幕亮度。
- 向上移动控制按钮增强屏幕亮度，相反的下移动控制按钮减弱屏幕亮度。



- 设定越亮的LCD屏幕消耗的电池电量越多。
- 当四周的照明设备比较明亮，而显示屏看上去比较昏暗的时候，请调节LCD显示屏亮度。
- LCD显示屏的亮度不影响所录制的图像亮度。
- 您可以调节LCD显示屏亮度的范围是从0%至100%。

LCD Color

- You can adjust the LCD color from 0% to 100%.
- When you set color range, the higher the figures the brighter the LCD monitor will be.



LCD颜色

- 您可以调节LCD显示屏颜色的范围是从0%至100%。
- 当您设置颜色的范围值越大，LCD显示屏的亮度越高。

Auto Power Off

To save battery power, you can set the **"Auto Power Off"** function which turns off the memory camcorder if there is no operation for a certain period of time.

settings	contents	on-screen display
"Off"	Cancels the "Auto Power Off" function.	None
"5 Min"	The memory camcorder automatically turns off when there is no operation for 5 min.	None



- The **"Auto Power Off"** will not function when you connect the AC power adapter to the memory camcorder. The **"Auto Power Off"** functions when the battery pack is the only power source.
- If you connect the camcorder to the USB device (PC, etc.) through USB cable, the **"Auto Power Off"** will not function.
- "Auto Power Off"** will only function when you set this function in settings mode.

自动断电

如果一段时间没有任何操作，为了节省电池电量，请设置数码相机**"自动断电"**功能。

设置	内容	屏幕显示
"关"	取消 "自动断电" 功能。	无
"5分钟"	当5分钟没有操作的时候，数码相机机会自动关闭。	无



- 当连接交流电源适配器的时候，数码相机无**"自动断电"**功能。仅由电池组供电的时候，数码相机才有**"自动断电"**功能。
- 如果通过 USB 电缆将摄像机连接至 USB 设备（电脑等），则**"自动断电"**将不起作用。
- 仅当您在设置模式下设定了此功能的时候，**"自动断电"**才会起作用。

setting options

Beep Sound

You can set the beep sound to on/off. When on a beep will sound every time a button is pressed.

settings	contents	on-screen display
"Off"	Disables the function	None
"On"	When on, a beep will sound every time a button is pressed.	None

File No.

File numbers are assigned to movie images in the order they were recorded.

settings	contents	on-screen display
"Series"	When there are existing files, the new movie image will be named with the next number in the sequence.	None
"Reset"	When there are no files stored on the storage media, the file numbering starts from 1.	None



When you set "File No." to "Series", each file is assigned with a different number so as to avoid duplicating file names. It is convenient when you want to manage your files on a PC.

Memory Type (SC-MX10A/MX10AU only)

You can record movie images on the built-in memory or a memory card, so you should select the desired storage media before starting recording or playback. ➡ page 32

settings	contents	on-screen display
"Memory"	Select the built-in memory for storage medium. So you can record or play back movie image on the built-in memory.	
"Card"	Select a memory card for storage medium. So you can record or play back movie image on memory card.	

设置选项

蜂鸣音

您可以设置蜂鸣音开或关。当每次按下按钮的时候就会发出蜂鸣音。

设置	内容	屏幕显示
"关"	不使用此功能。	无
"开"	若在操作菜单设置时听到哔声，则电源已接通。	无

文件号

按照顺序编排录制的影音文件的编号。

设置	内容	屏幕显示
"连续"	按顺序分配文件编号，即使换用了另一块存储卡、格式化后或删除所有文件后，亦是如此。创建新文件夹时将复位文件编号。	无
"初始化"	将文件编号复位为 0001，即使在格式化、删除所有文件或插入新的存储卡后，亦是如此。	无



当您设置“文件号”为“连续”时，新的影音文件将会区别于其他文件拥有一个不同的编号。
以便于在电脑上管理您的文件。

存储类型（仅限SC-MX10A/MX10AU）

您可以将录制的影音文件存在内置存储器中或是存储卡中，所以请务必在开始录制或者播放的时候选择一个适合的存储介质。

➡ 第32页

设置	内容	屏幕显示
"内存"	选择内置存储器为存储介质。所以您可以将录制或是播放的影音文件存在内置存储器中。	
"卡"	选择存储卡为存储介质。所以您可以将录制或是播放的影音文件存储在存储卡中。	

Memory Info

It shows you the storage information. You can view the storage media, used memory space and available memory space, and the recordable time according to the quality.

settings	contents	on-screen display
"Memory"	It shows you the memory information of built-in storage media. (SC-MX10A/MX10AU only)	-
"Card"	It shows you the memory information of the inserted memory card.	-



If there is no storage media inserted, it could not be selected. Then it will be dimmed on the menu.
In case of model SC-MX10/SC-MX10P, the information of the memory card appears by selecting "OK".

Format

The format function completely delete all files and options on the storage media, including protected files.
You can format (initialize) recording data in the storage media. You have to format the pre-used storage media or newly purchased memory cards with this memory camcorder before using them. This enables stable speeds and operation when accessing the recording medium.

Be aware that all files and data including protected files will be erased.

settings	contents	on-screen display
"Memory"	Formats the built-in storage media. (SC-MX10A/MX10AU only)	None
"Card"	Formats the memory card.	None



- Make sure to format the recording medium on the memory camcorder.
- Do not remove the recording medium or perform any other operation (such as turning off the power) during format. Also, be sure to use the provided AC power adapter, as the recording medium may be corrupted if the battery becomes exhausted during format. If the recording medium becomes corrupted, format it again.
- A memory card with the protection tab set to lock will not be formatted.
→ page 59
- In case of model SC-MX10/SC-MX10P, the format is executed by selecting "OK".



Do not format the recording medium on the PC or a different device.
Make sure to format the recording medium on the memory camcorder.

存储信息

显示存储介质信息。您可以查看存储介质，已用存储空间和剩余存储空间，以及根据录制质量的录制时间。

Memory Info	
• Used: 4MB	• Free: 117MB
Card	SF : 026Min F : 005Min N : 059Min
OK Back	

设置	内容	屏幕显示
"内存"	显示内置存储器的存储信息。 (仅限SC-MX10A/MX10AU)	-
"卡"	显示插入的存储卡的存储信息。	-



如果没有插入存储介质，将不能进行选择。并且选项在菜单中显示灰暗。
对于型号 SC-MX10/SC-MX10P，可通过选择 "OK" 来显示存储卡的信息。

格式化

进行格式化后会删除存储介质中的所有文件和选项，包括被保护的文件。

您可以格式化（初始化）存储介质内的录制数据。务必使用本数码摄像机为半新的存储介质或是新购买的存储介质进行格式化。这样做在录制的时候可以保证有稳定的速度和操作。

注意：进行格式化会将所有的文件和数据包括被保护的文件被删除。

设置	内容	屏幕显示
"内存"	格式化内置存储器。（仅限SC-MX10A/MX10AU）	无
"卡"	格式化存储卡。	无



- 务必使用本数码摄像机格式化录制存储介质。
- 在格式化的过程中，请不要取出录制存储介质或者进行其他操作。（例如关闭电源）。并且，建议您务必在格式化的时候使用提供的交流电源适配器。因为如果在格式化的过程中电池电量耗尽会导致录制存储介质损坏。如果录制存储介质出现问题，请再次进行格式化。
- 存储卡的写保护片设置为关的时候，则不能进行格式化。
→第59页
- 对于型号 SC-MX10/SC-MX10P，格式化通过选择 "OK" 来执行。



不要使用电脑或是其他设备对录制存储介质进行格式化。
务必使用本数码摄像机对录制存储介质进行格式化。

setting options

Default Set

You can initialize the memory camcorder settings to the factory defaults(initial settings at the factory). Initializing the memory camcorder settings to factory defaults does not affect recorded images.



After resetting the memory camcorder, set **"Date/Time Set"**. ➡ page 31

Version

You can see the firmware version information.

Language

You can select a desired language to display the menu and messages. ➡ page 30

USB Connect

Connect the memory camcorder to a PC via a USB 2.0 cable and you can transfer your movie images from the storage media, or use this as a web camera.

settings	contents	on-screen display
"Mass Storage"	Transfers the data files with your memory camcorder and a PC. ➡ page 75	None
"PC Cam"	Uses your memory camcorder as a web camera. ➡ page 76	None



- The default setting is mass storage.
- Before connecting the USB cable, check if the appropriate USB mode you want to use is selected.

Demo

Demonstration automatically shows you the major features that are included with your memory camcorder so that you may use them more easily.

settings	contents	on-screen display
"Off"	Disables the function	None
"On"	Activates demonstration mode and shows various features on the LCD screen. - After it exit to the menu, the demonstration is automatically operated. - Demonstration mode will resume if you operate any other function in STBY mode for about 6minute.	None



"Auto power off" function does not operate during the demonstration mode.

设置选项

默认设置

您可以将数码摄像机的设置初始化到出厂默认设置(出厂的最初设置)。

初始化数码摄像机设置到出厂默认设置不会影响录制的图像。



重新设置数码摄像机以后, 请重新设定 **"日期/时间 设置"**。
➡第31页

版本

您可以查看固件的版本信息。

语言

您可以选择合适的语言显示菜单和提示信息。 ➡第30页

USB连接

通过USB 2.0线缆将数码摄像机连接至电脑, 您可以将影音文件从存储介质中转移出来, 或是用数码摄像机作网络摄像头。

设置	内容	屏幕显示
"海量存储"	您可以在数码摄像机和电脑之间转移数据文件。 ➡第75页	无
"PC摄像头"	将数码摄像机当作网络摄像头使用。 ➡第76页	无



- 默认设置为海量存储。
- 在连接USB线缆之前, 请您检查是否已经选择了您想要的USB模式。

演示

自动为您演示数码摄像机的大部分功能, 方便您能够更加容易地使用数码摄像机。

设置	内容	屏幕显示
"关"	不使用此项功能。	无
"开"	启动演示模式在LCD显示屏上演示各种特点。 - 演示被自动操作, 然后退出菜单。 - 大约6分钟未进行其他功能操作时返回演示模式。	无



在演示模式过程中 **"自动断电"** 功能不起作用。

USB interface

This chapter explains how to connect a PC using the USB cable for various actions.

- To connect an USB cable to a PC, refer to the software installation instructions and available PC specification.

SYSTEM REQUIREMENTS

Transferring a Digital Image through a USB Connection

- The memory camcorder supports USB 2.0 High speed. (Depends on the PC specification)
- You can transfer a recorded file in storage media to a PC via a USB connection.
- If you transfer data to a PC, you need to install the software (DV Driver, Video Codec, DirectX 9.0) supplied with the memory camcorder.

USB Connection Speed (depending on the System)

- High speed USB connection is supported by Microsoft (Windows) device drivers only.
- Windows 2000 - High speed USB on a system with Service Pack 4 or later installed.
- Windows XP - High speed USB on a system with Service Pack 1 or later installed.
- Windows Vista - High speed USB on a system with Service Pack 1 or later installed.

System Requirements

Windows operating systems

- CPU: Intel® Pentium 4™, 2GHz or higher, or the equivalent
 - Operating systems: Windows® 2000/XP/Vista
Standard installation is required. If you have upgraded your current operating system, we can not guarantee the proper operation of the product.
 - Memory: 512MB RAM or higher
 - Hard Disk: 2GB or higher
 - Resolution: 1024x768 dots, 24bit color
 - USB port: USB2.0 High Speed
- System requirements mentioned above are recommendations.
Even on a system that satisfies the requirements may not ensure the operation depending on the system.
- This memory camcorder is recognized just as a removable storage device on the Macintosh computer. (Mac OS 10.3 or above supporting the High Speed USB standards)

USB 接口

本章为您介绍怎样使用USB线缆连接至电脑实现各种功能。

- 连接USB线缆至电脑，请参见软件安装指南以及支持该操作的电脑规格。

系统要求

通过USB连接转移数字图像

- 数码相机支持高速USB 2.0。（根据电脑的规格）
- 您可以通过USB连接至电脑将录制的文件从存储介质转移到电脑上。
- 如果您转移数据至电脑，您需要安装与本数码相机一同提供的软件(DV Driver, Video Codec, DirectX 9.0)。

USB连接速度（根据系统）

- 只有Microsoft (Windows)提供的驱动程序可以以保证高速USB的兼容性。
- Windows 2000 - 高速USB被安装在系统为Service Pack 4或更高的版本。
- Windows XP - 高速USB被安装在系统为Service Pack 1或更高的版本。
- Windows Vista - 高速USB被安装在系统为Service Pack 1或更高的版本。

系统要求

Windows操作系统

- CPU: Intel® Pentium 4™, 2GHz 或更高主频或者同等配置。
 - 操作系统: Windows® 2000/XP/Vista
要求标准安装。如果您已经升级当前的操作系统，我们将无法保证该产品正常运行。
 - 内存: 512MB RAM或更大内存。
 - 硬盘: 2GB 或更大容量。
 - 分辨率: 1024x768像素, 24位颜色。
 - USB 端口: 高速USB2.0
- 建议您使用以上提到的操作系统。根据系统不能保证以上所述环境设置的电脑能够正确无误的操作。
- 本数码相机可以在苹果电脑上当作移动存储设备使用。
(Mac OS 10.3或更高的版本支持高速USB规格。)



USB interface



- On a slower PC than recommended, movie playback may not be smooth or video editing may take a long time.
- may skip frames or operate unexpectedly.
- If your OS is Windows 2000/XP/Vista, log in as the Administrator (administrator of the PC) (or a user with the equivalent privileges) to install the OS.
- Check out the storage media of the memory camcorder before connecting USB cable. If no memory card or an unformatted memory card is inserted, the PC will not recognize your memory camcorder as a removable disk.
- If you disconnect the USB cable from the PC or the memory camcorder during the data transfer, the data transfer will stop and the data may be damaged.
- If you connect the USB cable to a PC using a USB HUB or with other devices at the same time, it may cause conflict and may not work properly. If this occurs, remove all other USB devices and try the connection again.
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USB 接口



- 在低于推荐配置的电脑上运行，影音播放可能不太连贯或影音编辑需要更长的时间。
- 在低于推荐配置的电脑上运行，影音播放也许会跳帧或是操作困难。
- 如果您使用Windows 2000/XP/Vista操作系统，请以管理员（电脑管理员）（或具有相同权限的使用者）身份安装操作系统。
- 请在连接USB线缆之前检查数码摄像机的存储介质。如果没有插入存储卡或是插入了一张未经格式化的存储卡，电脑将不能识别数码摄像机为移动硬盘。
- 如果在数据转移期间从电脑或是数码相机上断开USB线缆，则数据转移将会停止并且数据也许会损坏。
- 如果您通过USB HUB将USB线缆与电脑相连或是同时连接其他的USB设备，数码相机可能会工作不正常。如果发生这种情况，请从电脑上拔下USB设备，并且试着重新连接。
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INSTALLING THE SOFTWARE

Installing DV Media Pro Program



You need to install DV Media Pro to play back recorded movie files or the transferred data from memory camcorder with the USB cable on your PC. When you install the DV Media Pro software on your Windows computer, you can enjoy the following operations by connecting your memory camcorder to your computer via a USB cable.

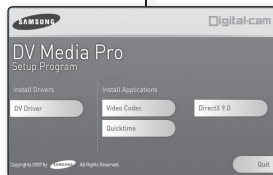
- View movie recordings on PC:
DV Driver - DirectX9.0 - Video Codec
- PC camera/USB streaming function:
DV Driver - DirectX9.0 - Video Codec

Before you start!

- Turn on your PC. Exit all other applications running.
- Insert the provided CD into the CD-ROM drive.
 - The setup screen appears automatically soon after the CD was inserted. If the setup screen does not appear, click on "Start" on the bottom left corner and select "Run" to display a dialog. Type "D:\autorun.exe" and then press ENTER, if your CD-ROM drive is mapped to "D: Drive".

Installing Driver - DV Driver and DirectX 9.0

- DV Driver is a software driver that is required to support establishing connection to a PC.
(If it is not installed, some functions will not be supported.)
- 1. Click on "DV Driver" on the setup screen.
 - Driver software required is installed automatically.
Following drivers will be installed:
 - USB PC-CAMERA driver
 - USB streaming driver (USB video transfer)
- 2. Click on "Confirm" to finish driver installation.
- 3. If the "DirectX 9.0" is not installed, it is installed automatically after setting "DV Driver".
 - After installing DirectX 9.0, PC needs to be restarted.
 - If DirectX 9.0 is installed already, there is no need to restart the PC.



Application Installation - Video Codec

- Click on "Video Codec" on the setup screen. Video Codec is required to play movie files recorded by this memory camcorder on a PC.

安装软件

安装DV Media Pro程序



您必须安装 DV Media Pro 才能使用 USB 数据线在计算机上播放数码相机所录制的影片文件或者传输的数据。当您在 Windows 电脑上安装 DV Media Pro 软件，您可以通过 USB 数据线将数码相机与电脑相连进行以下操作。

- 在电脑上观看录制的影片：
DV Driver - DirectX9.0 - Video Codec
- PC 摄像头/USB 输出功能：
DV Driver - DirectX9.0 - Video Codec

开始之前！

- 打开电脑。退出所有其他的应用程序。
- 将软件 CD 插入到电脑的 CD-ROM 驱动器。
 - 在 CD 插入不久，屏幕上自动显示安装界面。如果未出现安装界面，点击左下角的“开始”按钮并且选择“运行”出现对话框。如果您的 CD-ROM 光驱对应位置为“D: Drive”，输入“D:\autorun.exe”然后按下 ENTER 回车键。

安装驱动程序 - DV Driver 和 DirectX 9.0

- DV Driver 是支持建立电脑连接所需要的软件驱动程序。
(如果没有安装，某些功能将不会受到支持。)
- 1. 在安装界面上单击“DV Driver”。
 - 所需的驱动程序软件将会自动安装，下列驱动程序将会安装：
 - USB PC 摄像头驱动程序
 - USB 输出驱动程序 (USB 视频转移)
- 2. 点击“Confirm”完成驱动程序安装。
- 3. 如果尚未安装“DirectX 9.0”，它将会在设置“DV Driver”后自动安装。
 - 安装 DirectX 9.0 以后，需要重新启动计算机。
 - 若已经安装 DirectX 9.0，则不需要重新启动计算机。

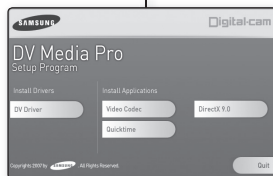
安装应用程序 - Video Codec

- 在设置屏幕上单击“Video Codec”。(视频编解码器)
在计算机上播放数码相机录制的影片文件时，需要使用视频编解码器。

USB interface

Application Installation – Quick Time

1. Click "Quick Time" on the setup screen.
 - QuickTime is Apple's technology for handling movie, sound, animation, graphics, text, music, and even 360-degree virtual reality (VR) scenes



USB 接口

应用程序安装 – Quick Time

1. 点击安装界面上 "Quick Time"。
QuickTime 是 Apple公司研制的软件，它可以处理影音，语音，动画，图表，文本，音乐甚至360-度的虚拟场景。

CyberLink Power Director

- CyberLink Power Director is software for easily editing MPEG, AVI, and other video files, still images, and other contents for creating a movie. This software has an interface that allows editing in either time line or storyboard mode, maintains superior image quality, uses SVRT for high-speed rendering, and has a host of other advanced video editing features.

Setting up CyberLink Power Director

- After inserting the CD, the setup screen displays automatically. Follow the instruction to start installation.

It is a video editing tool that allows users to edit movie files.

CyberLink Power Director

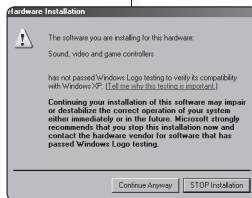
- CyberLink 电源导向器以易于编辑 MPEG、AVI 及其他视频文件、静止图像及创建电影的其他内容的软件。使用本软件的界面可以在时间线或节目提要模式中编辑，保持较高的图像质量，使用 SVRT 以获得高速转换，并拥有其他高级视频编辑功能。

安装 CyberLink Power Director

- 在插入CD光盘之后，屏幕上自动显示设置界面。遵照以下指示开始设置。
这是允许用户编辑影音文件的录影编辑的工具。



- Please install by using the Software CD that came with this memory camcorder. We do not guarantee compatibility with other CDs.
- For movie playback on a PC, install software in this order : **DV Driver - DirectX 9.0 - Video Codec**
- For movie editing, use the **CyberLink Power Director**.
- For PC Cam use, install software in this order: **DV Driver - DirectX 9.0 - Video Codec**
- You have to install "DV Driver", "Video Codec" and "DirectX 9.0" to run DV Media Pro properly.
- During installation, if the Microsoft LOGO test warning is shown, just click 'Continue(C).'
- If a message saying "Digital Signature not found" or something similar appears, ignore the message and continue with the installation.



- 请使用本数码相机随附的安装CD进行安装。如使用其他安装CD，我们不能保证可以进行完成。
- 在电脑上播放影音文件需要安装：
DV Driver - DirectX 9.0 - Video Codec
- 使用CyberLink Power Director进行影音编辑。
- 使用PC摄像头功能需要安装：
DV Driver - DirectX 9.0 - Video Codec
- 您必须安装 "DV Driver", "Video Codec" 和 "DirectX 9.0" 才能正确运行 DV Media Pro程序。
- 在安装过程中，如果显示Microsoft LOGO测试警告，请点击 'Continue(C).'
- 如果出现了 "未找到数字签名" 提示信息或者其他类似的显示信息，请忽略此信息并且继续安装。

CONNECTING THE USB CABLE

Connect the USB cable to copy movie images in a recording medium to the PC and vice versa.

You can also other various application with USB connection.
(PC-camera, storing the data, etc.)

1. Set the **"USB Connect"** to **"Mass Storage"**. ➡page 68
2. Connect the memory camcorder to the PC with a USB cable.

- Don't apply excessive force when inserting or extracting a USB jack.
- Insert a USB jack after checking the direction of its insertion is correct.
- It is recommended to use the AC adapter as the power supply instead of the battery pack.
- When the USB cable is connected, turning on or off the camcorder causes malfunctions of the PC.

Disconnecting the USB cable

Before loading or unloading recording mediums or turning off the PC, first disconnect the USB cable and turn off the memory camcorder. After completing the data transmission, you must disconnect the cable in the following way:

1. Click the "Unplug or eject hardware" icon on the task tray.
2. Select "USB Mass Storage Device" or "USB Disk," and then click "Stop."
3. Click "OK."
4. Disconnect the USB cable from the memory camcorder and PC.

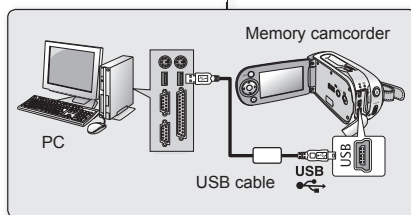
- If you disconnect the USB cable from the PC or the memory camcorder while transferring, the data transmission will stop and the data may be damaged.
- If you connect the USB cable to a PC via a USB HUB or simultaneously connect the USB cable along with other USB devices, the memory camcorder may not work properly. If this occurs, remove all USB devices from the PC and reconnect the memory camcorder.

连接USB数据线

连接USB数据线，在电脑和录制存储介质之间复制影音文件。

您还可以通过USB连接使用其他功能。
(PC摄像头，存储数据，等)

1. 设置 **"USB 连接"** 至 **"海量存储"**。
➡ 第 68 页
2. 通过 USB 数据线将数码相机连接至电脑。



- 在插入或拔出USB端子的时候不要用力过猛。
- 请在插入USB端子之前检查插入的方向是否正确。
- 推荐使用交流电源适配器替代电池组。
- 当USB数据线连接，开启或关闭摄像机会导致电脑故障。

断开 USB 数据线

在上传或下载录制媒介或关闭个人计算机之前，请断开USB数据线并且关闭数码相机。

在完成传输数据之后，您必须按照以下方法断开数据线：

1. 点击任务栏上“安全删除硬件”图标。
2. 选择“USB Mass Storage Device”或“USB Disk,”然后点击“停止”。
3. 点击“确定”。
4. 断开数码相机与电脑的连接。

- 如果在转移数据的过程中从数码相机或者电脑上断开USB数据线，数据传输将会停止并且数据可能损坏。
- 如果您通过USB HUB将USB数据线 with 电脑相连或者同时连接其他的USB设备，数码相机可能会工作不正常。如果发生这种情况，请您从电脑上拔下USB设备，重新连接数码相机。




USB interface

VIEWING THE CONTENTS OF STORAGE MEDIA

1. Slide the **POWER** switch downward to turn on the memory camcorder.
 - Select the desired recording medium. ➡ page 32 (SC-MX10A/MX10AU only)
 - Make sure that there is a memory card in the memory camcorder.
2. Connect the memory camcorder to the PC with a USB cable.
 - ➡ page 73
 - Check out the USB connection on the LCD monitor.
3. **When using Windows® XP, Vista version :**
 - The "Removable Disk" window appears on the PC's screen after a moment.
 - Select "Open folders to view files using Windows Explorer" and click "OK."

When using Windows® 2000:

- a. Doubleclick the "My Computer" icon on the desktop. The "Removable Disk" icon which represents the storage media in the memory camcorder appears in the "My Computer" window.
 - b. Doubleclick the "Removable Disk" icon.
4. The folders in the storage media appear.
 - Different file types are stored in different folders.

 If the "Removable Disk" window does not appear, confirm the connection or perform the steps 1 and 2.

Structure of folders and files on the storage media

- The folder and file structure for built-in memory or memory card is as follows.
- Don't arbitrarily change or remove the folder or file name. It may not be playable.

Movie image file (1)

The SD-quality movie images have SDV_####.AVI format. The file number automatically increases when a new movie image file is created. When the number exceeds 9,999, a new folder is created and it is stored in SDV_0001.AVI.


General data file (2)

It is the place where the user can save general document files as a storage device.

USB 接口

查看存储介质信息

1. 向下滑动 **POWER** 电源开关, 开启数码摄像机。
 - 选择所需的录制媒体。 ➡ 第 32 页 (仅限 SC-MX10A/MX10AU)
 - 确定数码摄像机中没有存储卡。
2. 通过USB数据线连接数码摄像机至电脑。
 - ➡ 第73页
 - 通过LCD显示屏检查USB连接。
3. 当使用 Windows® XP, Vista 版本操作系统:
 - 过一小会儿后电脑屏幕上显示“可移动磁盘”。
 - 选择通过 Windows Explorer 浏览器“打开并查看文件夹”, 然后点击“确定”。
- 当使用 Windows® 2000 操作系统:
 - a. 双击电脑桌面上“我的电脑”图标。在“我的电脑”窗口内显示表示连接存储介质的“可移动磁盘”图标。
 - b. 双击“可移动磁盘”图标。
4. 显示存储介质中的文件夹。
 - 不同的文件存储在不同类型的文件夹内。

 如果未显示“可移动磁盘”窗口, 请确认第 1、2 步骤的连接和执行操作。

存储介质上的文件夹和文件的结构

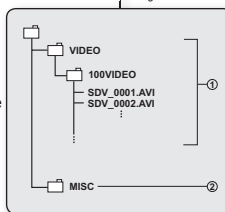
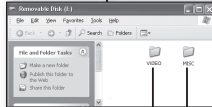
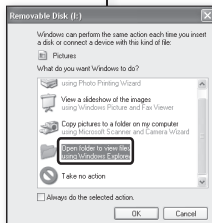
- 以下为内置存储或存储卡的文件夹和文件的结构。
- 不要任意更改或者移动文件夹或者文件名称。这样做很可能导致文件不能播放。

影音文件 (1)

SD 质量影音图像有 SDV_####.AVI 格式。当录制了一个新的影音文件, 将会自动增加一个文件编号。当编号超出了 9,999, 则会在 SDV_0001.AVI 中新建一个文件夹。

一般数据文件 (2)

用户可以在存储介质上保存一般数据文件。



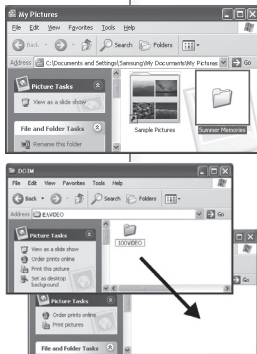


- When the folder number is 999 and the file number is 9,999, you cannot record any file. In this case, format your storage media. (memory card, etc.)
- You may modify the name of a file/folder stored in the memory card using a PC. This memory camcorder may not recognize modified files.

TRANSFERRING FILES FROM THE MEMORY CAMCORDER TO YOUR PC

You can copy the movie image to your PC and play back those.

1. Execute the procedure in "Viewing the contents of storage media." ➡ page 74
The folders in the storage media appear.
2. Create a new folder, enter the folder name, and then doubleclick it.
3. Select the folder to copy, and then drag and drop it into the destination folder.
 - The folder is copied from the storage media to the PC.
 - Saving the wrong kinds of files in a recording medium or deleting files or folders from a recording medium can cause problems with the operation of the memory camcorder. When it is necessary to delete a file from a recording medium, delete it through the memory camcorder. Also, do not move or rename folders and files within the medium on PC. Never disconnect the USB cable while the ACCESS lamp on the memory camcorder lights or blinks.



Playing Back Files on the PC Movie Images

Use the "DV Media Pro".

- You can install this software from the provided CD.
For more details of "Video Codec". ➡ page 71



When playing back a file in the recording medium on your PC, copy the file to your PC, and then play it back. If video file is played back directly from recording medium (i.e. the memory camcorder is connected through USB to your PC), it may be not played back properly due to the inadequate processing speeds or other problems.



- 当文件夹编号是999 并且文件编号是9,999时, 则您将无法录制任何文件。
在这种情况下, 请格式化您的存储介质。(存储卡, 等。)
- 您可以通过电脑修改存储在存储卡中的文件/文件夹的名称。
本数码相机可能无法识别修改后的文件。

从数码相机转移文件至电脑

您可以复制影音文件至电脑并且播放它们。

1. 执行“查看存储介质内容”程序。➡第74页显示存储介质内的文件夹。
2. 新建一个文件夹, 输入文件夹名称然后双击。
3. 选择要复制的文件夹, 然后将它拖拽至目的地文件夹。
 - 此文件夹即为从存储介质复制到电脑上的文件夹。
 - 保存录制存储介质中错误的文件或是删除录制存储介质中错误的文件或文件夹会造成数码相机操作出现问题。
当数码相机上的存取指示灯亮起或是闪烁的时候, 一定不要断开USB数据线。

在电脑上播放文件

影音文件

使用 "DV Media Pro".

- 您可以使用提供的 CD 光盘安装该软件。

关于 "Video Codec" 的更多细节。➡ 第 71 页



建议您在电脑上播放一个存储在录制存储介质上的文件, 请先复制该文件至您的电脑, 然后再进行播放。

如果直接从录制存储介质中播放影音文件 (例如: 数码相机通过USB连接至您的电脑), 因为处理速度以及一些其他的原因, 不能够保证可以正常播放。

USB interface

USING THE PC CAM FUNCTION

You can use your memory camcorder as a PC camera for video chatting, video conference and other PC camera applications.

Before you start!

For PC Cam use, it is required to install the DV Driver. ➡page 71

1. Slide the **Power** switch downward to turn on the memory camcorder.
 - The Movie Record mode screen appears.
2. Press the **MENU** button and select the **"Settings"**. ➡page 62
 - The Settings screen appears.
3. Press the **Control** button (◀/▶) to select **"USB Connect"**.
4. Press the **Control** button (▲/▼) to select **"PC Cam"** and then press the **OK** button.
5. Turn on your PC.
6. Connect the memory camcorder to your PC with the USB cable.
7. The memory camcorder can be used as a PC Cam for programs such as Windows Messenger.
 - Various applications take advantage of the **"PC Cam"** function.
 - Refer to respective product documentation for further details.
 - When finished, disconnect the USB cable.



- It is recommended to use an AC Power Adapter during data transfer to avoid unintended power outages.
- When the USB port connection changed, it may require DV Driver re-installation. ➡page 71
- If you connect more than two USB devices to a single PC or use a hub for USB connection, the PC camera function may not work properly.
- You may see a popup message for confirmation of the compatibility, depending on the PC specification. Press **"Continue"** and follow the on-screen instructions to complete the installation.
- If the DV Media Pro is not properly installed on your PC, during connection, you may see the Found New Hardware Wizard on the screen. Follow the on-screen instructions to complete the installation.

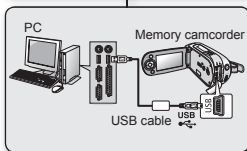
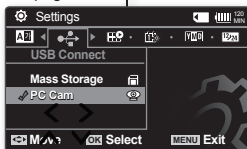
USB 接口

使用PC摄像头功能

您可以把数码摄像机当作PC摄像头使用，进行视频聊天，电视电话会议以及其他应用到PC摄像头的地方。

开始之前！

使用PC摄像头功能，必须安装DV驱动程序。 ➡第71页



1. 向下滑动**POWER**电源开关，开启数码摄像机。
 - 屏幕上显示影音录制模式。
2. 按**MENU**菜单按钮选择 **"设置"**。 ➡第62页
 - 显示设置屏幕。
3. 按左右控制按钮 (◀/▶) 选择 **"USB连接"**。
4. 按上下控制按钮 (▲/▼) 选择 **"PC 摄像头"** 然后按下**OK**按钮确认。
5. 打开您的电脑。
6. 通过USB数据线连接您的数码摄像机至电脑。
7. 数码摄像机可以为一些程序作PC摄像头使用，譬如Windows Messenger。
 - 可以将 **"PC摄像头"** 功能应用到各处。
 - 更加详细的内容请参见各自的产品说明书。
 - 当完成后，断开USB数据线。



- 在转移文件的时候，建议您使用交流电源适配器。以免电池组电量低引起的断电而造成损失。
- 当 USB 端口连接改变时，可能需要重新安装DV 驱动程序。 ➡第71页
- 如果您通过USB HUB连接两个以上USB设备至一台电脑，PC摄像头功能也许不能正常使用。
- 根据个人电脑的规格不同，可能会显示兼容性的提示信息。按下 <继续>按钮，然后根据安装界面的指示完成安装。
- 如果您的 PC 没有正确安装 DV Media Pro 1.0，“发现新硬件向导”会出现在屏幕上。按照屏幕指示完成安装。

connection

You can view the recorded movie on a large screen by connecting the memory camcorder to a TV.

VIEWING ON TV SCREEN

Connecting to a TV

Use the provided multi-AV cable to connect the memory camcorder to a TV as follows:

* If your TV has an S-VIDEO input jack, you can connect the S-VIDEO plug into it. Even if you use an S-VIDEO input jack, you need to connect an audio cable.



- Using S-VIDEO will deliver clearer playback.
- Before connecting, make sure that the volume on TV is turned down: forgetting this may cause howling from the TV speakers.
- Carefully connect the input and output cables to the corresponding connections on the device the memory camcorder is being used with.

Viewing on TV Screen

1. Turn on the TV and set the input selector to the input connection the memory camcorder is connected to. This is often referred to as "line".
 - Refer to the TV instruction manual for how to switch the TV input.
2. Turn the memory camcorder on.
 - Slide the **POWER** switch downward and press the **MODE** button to set Player (). ➔ page 21
 - The image that the memory camcorder is viewing will appear on the TV screen.
 - You can also monitor the image on the LCD screen of the memory camcorder.
3. Perform playback.
 - You can perform playback, recording or setting the menu while viewing on TV screen.



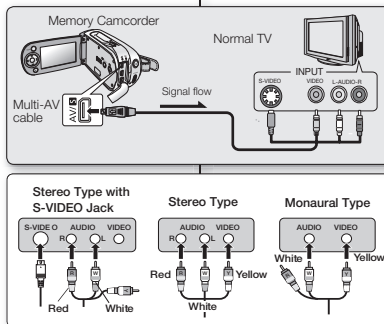
- When the copy-guarded movie is played back, no image will appear on TV screen. Information that the memory camcorder is recording will appear on the TV screen: You can also display only part of information or switch off the display. Refer to "TURNING THE SCREEN INDICATORS ON/OFF ()" on page 25, and press the / CHECK button to switch the display status.

连接

您可以将数码摄像机与电视机相连，通过电视机较大的屏幕观看录制的影音。

在电视屏幕上查看

连接至电视



使用提供的 Multi-AV 电缆将数码摄像机连接至电视，如下所示：

* 如果您有 S-VIDEO 输入插孔，可以连接 S-VIDEO 插座。即使您使用 S-VIDEO 输入插孔，仍然需要连接音频电缆。



- 使用 S-VIDEO 将传递更清晰的播放内容。
- 在连接之前，确保已调低电视音量：忘记调低音量可能会导致电视的扬声器发出尖锐的长鸣声。
- 将输入和输出电缆小心连接到与数码摄像机一起使用设备的连接处。

在电视屏幕上查看

1. 打开电视，然后将输入选择器设置为连接数码摄像机的输入连接处。这通常称为“线”。
 - 参阅电视说明手册以了解如何切换电视输入。
2. 打开数码摄像机。
 - 将 **POWER** 开关向下滑动，然后按下 **MODE** 按钮以设置播放机 ()。 ➔ 第 21 页
 - 透过数码摄像机查看的图像将出现在电视屏幕上。
 - 还可以在数码摄像机的 LCD 屏幕上监视图像。
3. 进行播放。
 - 您可以在电视屏幕上查看时进行播放、录制或设置菜单。




- 在播放受复制保护的影片时，在电视屏幕上不会出现图像。数码摄像机录制的信息将出现在电视屏幕上：您也可以仅显示部分信息或关闭显示。请参阅第 25 页的“打开或关闭屏幕指示器 ()”，然后按下 / CHECK 按钮以切换显示状态。

connection

RECORDING (DUBBING) IMAGES ON OTHER VIDEO DEVICES

You can record (dub) images played back on this memory camcorder, onto other video devices.

Use the multi-AV cable(provided) to connect the memory camcorder to another video device as shown in the following figure:

1. Press the **MODE** button to set Player(). ➡page 21
2. Choose the recorded (dubbed) movie on the thumbnail view and then press the **OK** button.
3. Press the record button on the connected device.
 - The memory camcorder will start playback and the recording device will record (dub) it.



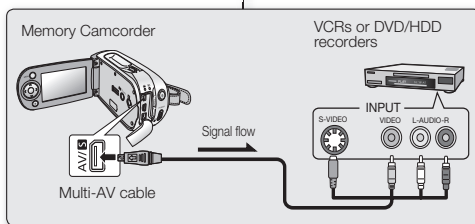
- Using S-VIDEO will deliver clearer images.
- Be sure to use the AC adaptor to power the memory camcorder from household AC outlet to prevent battery power from shutting off during recording on another video device.
- You can perform playback in the same manner as when playing back movies on this memory camcorder.


连接

在其他视频设备上录制（复制）图像

您可以将在本数码摄像机上播放的图像录制(复制)到其他视频设备。

使用 Multi-AV 电缆(随附)将数码摄像机连接到另一视频设备，如下图所示：



1. 按下 **MODE** 按钮以设置播放机()。➡第21页
2. 在缩略视图中选择录制（复制）的影片，然后按下**OK**按钮。
3. 按下连接设备上的录制按钮。
 - 数码摄像机将开始播放，并且录制设备将对其进行录制（复制）。



- 使用 S-VIDEO 将传递更清晰的图像。
- 务必使用交流电源适配器从家用交流电源插座为数码摄像机提供电源，以防在其他视频设备上录制时出现电池电源关闭现象。
- 您可以像在数码摄像机上播放影片一样，以相同的方式播放。

maintenance & additional information

MAINTENANCE

Your memory camcorder is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years.

- ④ For safekeeping of the memory camcorder, turn off the memory camcorder.
 - Remove the battery pack and AC power adaptor. ➡ page 13
 - Remove the memory card. ➡ page 32

Cautions on Storing

- **Do not leave the memory camcorder in a place where the temperature is very high for a long period of time:**
The temperature inside a closed vehicle or trunk can become very high in a hot season. If you leave the memory camcorder in such a place, it could malfunction or the case could be damaged. Do not expose the memory camcorder to direct sunlight or place it near a heater.
- **Do not store the memory camcorder in a place where the humidity is high or in a dusty place:**
Dust entering the memory camcorder could cause malfunctions. If humidity is high, the lens could become moldy, and the memory camcorder could become inoperative. It is recommended that you put the memory camcorder in a box together with a desiccant when storing it in a closet, etc.
- **Do not store the memory camcorder in a place subject to strong magnetism or intense vibrations:**
This could cause malfunctions.
- **Detach the battery pack from the memory camcorder and store it in a cool place:**
Leaving the battery pack attached or storing it at high temperature could shorten its life.

Cleaning the memory camcorder

- ④ **Before cleaning, turn off the memory camcorder and remove the battery pack and AC power adaptor.**
- **To clean the exterior**
Wipe gently with a soft dry cloth. Do not apply excessive force when cleaning, gently rub the surface.
 - Do not use benzene or thinner to clean the camcorder. The coating of exterior could peel off or the case could deteriorate.

维护和其他信息

维护

您的数码摄像机是具有超级设计和工艺的产品，应该小心对待。下面的建议将帮助履行所有担保义务，并让您多年使用此产品。

- ④ 为了保护数码摄像机，要关闭数码摄像机。
 - 卸下电池组和交流电源适配器。 ➡ 第 13 页
 - 取出存储卡。 ➡ 第 32 页

有关储存的注意事项

- **切勿将数码摄像机放在温度过高的地方很长时间：**
封闭的车辆或卡车在炎热的季节会变得很热。如果您将数码摄像机留在此类地方，可能会出现故障或损坏外壳。切勿将数码摄像机直接暴露在阳光下或放在靠近热源的地方。
- **切勿将数码摄像机存放在湿度很高的地方：**
灰尘进入数码摄像机可能会造成故障。如果湿度很高，镜头会发霉，而数码摄像机可能会不起作用。将数码摄像机存放放到壁橱中时，建议您将其与干燥剂一起放入盒子中。
- **切勿将数码摄像机保存在磁性很强或强烈震动的地方。**
这样可能会导致发生故障。
- **从数码摄像机卸下电池组，并将其存放在阴凉的地方：**
将连接的电池组存放在温度很高的地方可能会缩短其寿命。

清洁数码摄像机

- ④ 在清洁之前，关闭数码摄像机，然后卸下电池组和交流电源适配器。
- **清洁外部**
用柔软的干布轻轻擦拭。清洁时请勿过度用力，轻轻擦拭表面即可。
 - 切勿使用苯或稀释剂清洁摄像机。外层会脱落或外壳会被损坏。

maintenance & additional information

- **To clean the LCD monitor**
Wipe gently with a soft dry cloth. Be careful not to damage the monitor.
- **To clean the lens**
Use an optional air blower to blow out dirt and other small object. Do not wipe the lens with cloth or your fingers. If necessary, wipe gently with lens cleaning paper.
 - Mold may form if the lens is left dirty.
 - If the lens looks dimmer, turn off the memory camcorder and leave it for about 1 hour.

ADDITIONAL INFORMATION

Using your memory camcorder abroad

- Each country or region has its own electric and color systems.
- Before using your memory camcorder abroad, check the following items.
- **Power sources**
The provided AC adapter features automatic voltage selection in the AC range from 100 V to 240 V.
You can use your camcorder in any countries/regions using the AC power adaptor supplied with your camcorder within the AC 100 V to 240 V, 50/60 Hz range. Use a commercially available AC plug adaptor, if necessary, depending on the design of the wall outlet.
- **About TV color systems**
Your camcorder is an NTSC-system-based camcorder. If you want to view your recordings on a TV or to copy it to an external device, it must be an NTSC-system-based TV or an external device having the appropriate Audio/Video jacks. Otherwise, you may need to use a separate video format transcoder (NTSC-PAL format converter).

PAL-Compatible Countries / Regions

Australia, Austria, Belgium, Bulgaria, China, CIS, Czech Republic, Denmark, Egypt, Finland, France, Germany, Greece, Great Britain, Holland, Hong Kong, Hungary, India, Iran, Iraq, Kuwait, Libya, Malaysia, Mauritius, Norway, Romania, Saudi Arabia, Singapore, Slovak Republic, Spain, Sweden, Switzerland, Syria, Thailand, Tunisia, etc.

NTSC-Compatible Countries / Regions

Bahamas, Canada, Central America, Japan, Mexico, Philippines, Korea, Taiwan, United States of America, etc.

维护和其他信息

- **清洁 LCD 显示器**
用柔软的干布轻轻擦拭。 注意不要损坏显示器。
- **清洁镜头**
使用可选购的吹风机将灰尘和其他小物体吹走。 切勿用布或手指擦拭镜头。
如有必要, 使用镜头清洁纸轻轻擦拭。
 - 如果镜头很脏, 可能会发雾。
 - 如果镜头看起来较暗, 请关闭数码摄像机约 1 小时。

其他信息

在国外使用数码摄像机

- 每个国家或地区都有自己的电源和彩色系统。
- 在国外使用数码摄像机之前, 请检查以下各项。
- **电源**
提供的交流电源适配器具有从 100 伏至 240 伏之间进行自动选择电压的功能。
透过在交流电 100 伏到 240 伏、50/60 赫兹范围内使用摄像机随附的交流电源适配器, 您可以在任何国家/地区使用摄像机。
根据墙上插座设计, 如有必要, 请使用市面上提供的交流电源适配器。
- **关于电视彩色系统**
您的摄像机是基于 NTSC 系统的摄像机。
如果您想在电视上查看录制内容或将其复制到外部设备, 必须使用基于 NTSC 系统的电视或具有适当音频/视频插孔的外部设备。 否则, 您可能需要使用单独购买的视频格式转换器 (NTSC-PAL 格式转换器)。

PAL制式国家和地区包括:

澳大利亚, 奥地利, 比利时, 保加利亚, 中国, 独联体, 捷克, 丹麦, 埃及, 芬兰, 法国, 德国, 希腊, 英格兰, 荷兰, 香港, 匈牙利, 印度, 爱尔兰, 伊拉克, 科威特, 利比亚, 马来群岛, 毛里求斯, 挪威, 罗马尼亚, 沙特阿拉伯, 新加坡, 斯洛伐克, 西班牙, 瑞典, 瑞士, 叙利亚, 泰国, 突尼斯, 等等。

NTSC制式国家和地区包括:

巴哈马群岛, 加拿大, 中美洲, 日本, 墨西哥, 菲律宾共和国, 韩国, 台湾, 美国, 等等。

troubleshooting

TROUBLESHOOTING

- ❗ Before contacting a Samsung authorized service center, perform the following simple checks. They may save you the time and expense of an unnecessary call.

Warning indicators and messages

Power source

Message	Informs that...	Action
Low Battery	The battery pack is almost discharged.	Change to a charged one or use AC adaptor. Charge the battery pack.
Auto Power Off	If no button is pressed for about 5 minutes, the memory camcorder is automatically turned off. ("Auto Power Off").	To disable this option, change the setting of "Auto Power Off" to "Off" ➡page 65

故障处理

故障处理

- ❗ 在联系三星授权维修中心前，请进行如下简单的检查。

警告显示和信息

电源

信息	说明内容 ...	处理
电量低	电池组电量即将消耗殆尽。	更换一块新的电池组或使用交流电源适配器。
自动断电	如果 5 分钟左右没有按下任何按钮，数码相机将会自动关闭。 ("自动断电")	选择不使用该功能，将菜单内"自动断电"选项更改至"关"。 ➡第65页

troubleshooting

Storage media

Message	Informs that...	Action
Memory Full	There is not enough space to record on built-in memory.	Delete unnecessary files on the built-in memory. (SC-MX10A/MX10AU) Use a memory card.
Insert Card	There is no memory card inserted in the card slot.	Insert a memory card. Use the built-in memory. (SC-MX10A/MX10AU)
Card Full	There is not enough space to record on memory card.	Delete unnecessary files on the memory card. Use the built-in memory (SC-MX10A/MX10AU)
Card Error	The memory card is corrupted.	Format the memory card or replace it with a new one.

Editing files

Message	Informs that...	Action
Not Formatted	The memory card is not formatted.	Format the memory card.

Recording

Message	Informs that...	Action
Not Supported Format	The format is not supported.	The file format is not supported. Check the supported file.

故障处理

存储介质

信息	说明内容 ...	处理
存储器已满	内置存储器中没 有足够的存储 空间进行录制。	删除内置存储器中一 些不需要的文件。 (SC-MX10A/MX10AU) 使用存储卡。
插入存储卡	没有插入存储卡。	插入存储卡。 使用内置存储器。 (SC-MX10A/MX10AU)
存储卡已满	存储卡中没 有足够的存储 空间进行录制。	删除存储卡中一 些不需要的文件。 使用内置存储器。 (SC-MX10A/MX10AU)
存储卡错误	存储卡被损坏。	格式化存储卡， 或者更换一张新卡。

修改文件

信息	说明内容 ...	处理
未格式化	格式化存储卡。	格式化存储卡。

录制

信息	说明内容 ...	处理
不支持的格式	格式不被支持。	文件格式不受支持。 检查文件格式。



When there is dew condensation, put aside for a while before using

- What is dew condensation?
Dew condensation happens when a memory camcorder is moved to a place where there is a significant temperature difference from the previous place. In other words, the water vapor in the air turns into dew because of the temperature difference, and it condensates like dew on the external or internal lenses of the memory camcorder and on the reflection lens. When this happens, you temporarily may not use the record or play functions of the memory camcorder. Also, it may cause a malfunction or damage to the memory camcorder when using the device with the power on while there is dew condensation.
- What can I do?
Turn the power off and detach the battery pack, and leave it in a dry area for 1~2 hours before using it.
- When does the dew condensation occur?
When the device is relocated to a place with a higher temperature than the previous location, or when using it in a hot area suddenly, it will cause condensation.
 - When recording outside in cold weather during the winter and then using it in indoors.
 - When recording outside in hot weather after being indoors or inside a car where the AC was running.

Note before sending your camcorder for repair.

- If these instructions do not solve your problem, contact your nearest Samsung authorized service center.
- Depending on the problem, current hard disk may need to be initialized or replaced and the data will be deleted. Be sure to back up the data on the hard disk on the other storage media before sending your camcorder to repair. Samsung cannot guarantee any loss of your data.



当有露水凝结的时候，请在使用前放置一段时间。

- 什么是露水凝结？
当数码摄像机从一个地方移动到另一个温度明显有差异的地方，就会发生露水凝结现象。换句话说，空气中的水蒸汽因为温度的差异转变成露水。并且在数码摄像机镜头的内部和反射镜头，以及与播放相关的光盘表面上凝结成露水。
当发生这种情况时，数码摄像机的录制以及播放功能可能会暂时失灵。
而且，如果有露水凝结的现象时接通电源，很可能导致数码摄像机失灵或者损坏。
- 怎样处理呢？
关闭电源并且卸下电池组，在使用数码摄像机之前将其放置于干燥的地方 1~2 个小时。
- 何时会发生露水凝结？
当设备被重新放置回一个温度更高的地方，或是突然在高温地区使用时，会发生露水凝结。
 - 冬天，在室外寒冷的天气中进行录制，然后进入室内使用时。
 - 当在室外炎热的天气进行录制，后又进入室内或者汽车内充电时。

修理数码摄像机前的注意事项

- 如果这些说明不能解决问题时，请与最近的三星授权服务中心联系。
- 根据出现的问题，当前的硬盘也许需要初始化或更换并且删除数据。
请务必在数码摄像机送出修理之前，将数据备份到硬盘或是其他存储介质上，三星公司不能保证不会弄丢您数据。

troubleshooting

- ❖ If you encounter any problem using your camcorder, check the followings before asking for service repair. If these instructions do not solve your problem, contact the nearest Samsung authorized service center.

Symptoms and solutions

Power

Symptom	Explanation/Solution
The power does not turn on.	<ul style="list-style-type: none">The battery pack may not be installed on your memory camcorder. Insert a battery pack to the memory camcorder.The inserted battery pack may be discharged. Charge the battery pack or replace it with a charged one.If you use an AC power adaptor, make sure it is properly connected to the wall outlet.
The power automatically turns off.	<ul style="list-style-type: none">Your memory camcorder has been left for more than 5 minutes without any button operation. To turn on your memory camcorder, press the Record start/stop button.Is "Auto Power Off" set to "On"? If no button is pressed for about 5 minutes, the memory camcorder is automatically turned off ("Auto Power Off"). To disable this option, change the setting of "Auto Power Off" to "Off" ➡ page 65The battery pack is almost discharged. Charge the battery pack or replace it with a charged one.
Power cannot be turned off.	<ul style="list-style-type: none">Remove the battery pack or unplug the AC power adaptor, and connect the power supply to the camcorder again before turning it on.
The battery pack is quickly discharged.	<ul style="list-style-type: none">The temperature in the use condition is too low.The battery pack is not fully charged. Charge the battery pack again.The battery pack reached its lifespan and cannot be recharged. Use another battery pack.

故障处理

- ❖ 如果您在使用数码相机的过程中遇到任何问题，请在送出修理之前检查以下事项。
如果这些说明不能够解决问题，请与最近的三星授权服务中心联系。

症状与解答

电源

症状	解释 / 解答
不能开启电源	<ul style="list-style-type: none">数码摄像机也许没有安装电池组。插入的电池组电量也许已经消耗完。为电池组充电，或者更换一块新的电池组。如果您使用的交流电源适配器，请确认适配器的另一端已经连接了电源插座。
电源自动关闭	<ul style="list-style-type: none">您的数码摄像机如果超过5分钟没有操作任何按钮，则会自动休眠。开启数码摄像机，请按录制开始/停止按钮。"自动断电"功能是否设置为"开"？如果5分钟左右没有操作任何按钮，则数码摄像机便会自动关闭（"自动断电"）。不选择使用此项功能，请更改"自动断电"为"关"。➡第65页电池组电量已经消耗枯竭。请为电池组充电或是更换一块新的电池组。
不能关闭电源	<ul style="list-style-type: none">去除电池组或是拔出交流电源适配器，并且在重新开启数码摄像机之前再次连接电源。
电量快速消耗完	<ul style="list-style-type: none">使用的环境温度太低。电池组未被充满电。再次为电池组充电。电池组寿命接近尾声并且已经不能充电。请使用其他的电池组。

Displays

Symptom	Explanation/Solution
The screen of TV or LCD screen displays distorted images.	<ul style="list-style-type: none"> All movies recorded with this memory camcorder have 4:3 aspect ratio. It can occur when recording or viewing a 16:9-ratio image on the LCD screen. For more details, see the display specifications. ➡ page 55, 61 If you want to display properly on your TV, check out your TV type and set the proper screen mode (4:3 aspect ratio).
Unknown image appears on the LCD screen.	<ul style="list-style-type: none"> The memory camcorder is in "Demo" mode. Change the setting "Demo" to "Off". ➡ page 68 A warning indicator or message appears on the screen. ➡ page 81
The afterimage remains on the LCD screen.	<ul style="list-style-type: none"> This occurs if you disconnect the AC power adaptor or remove the battery pack before turning the power off.
The image on the LCD screen looks dark.	<ul style="list-style-type: none"> Ambient is too bright. Adjust the brightness and angle of LCD.

Menu

Symptom	Explanation/Solution
Menu items are grayed out.	<ul style="list-style-type: none"> You cannot select grayed items in the current recording/playback mode. There are some functions you cannot activate simultaneously. The following list shows examples of unworkable combinations of functions and menu items. If you want to set the desired functions, do not set the following items first. <Cannot Use> <Because of the following setting> Scene Mode(AE) Exposure (Manual) Most of menu items cannot be selected when you set the EASY.Q function. If there is no storage media inserted, it can not be selected and will be dimmed on the menu: "Memory Info", "Format", etc.

显示

症状	解释 / 解答
电视机或 LCD 屏幕显示失真的图像。	<ul style="list-style-type: none"> 使用该数码相机录制的所有影片都具有 4:3 屏幕高宽比。 在 LCD 屏幕上录制或观看 16:9 比例的图像时可能会发生此情况。有关更多详情，可参见显示规格。➡第55、61页 如果想在电视机上得以适当显示，则需要检查电视机类型并设置适当的屏幕模式（4:3 屏幕高宽比）。
LCD 显示屏上显示未知图像	<ul style="list-style-type: none"> 数码相机当前为“演示”模式。更改“演示”设置为“关”。➡第68页 屏幕上显示警告指示图标或是信息。➡第81页
LCD 显示屏上有残像	<ul style="list-style-type: none"> 如果您在关闭电源之前拨开交流电源适配器或去除电池组会发生这种情况。
LCD 显示屏上画面灰暗	<ul style="list-style-type: none"> 四周太明亮。调整LCD亮度和角度。

菜单

症状	解释 / 解答
菜单选项显示灰暗	<ul style="list-style-type: none"> 在当前录制/播放模式下，您无法选择灰色项目。 有些功能无法同时激活。以下列表显示了不能结合使用的功能和菜单项目的示例。如果您想设置所需的功能，请首先设置以下项目。 <无法使用> <因为以下设置> 场景模式 (AE) 曝光 (手动) 当您设置 EASY.Q 功能时，无法选择大多数菜单项目。 如果没有插入的储存媒体，就无法选择，并在以下菜单中变暗：“存储信息”、“格式化”等。

troubleshooting

Recording Media (Memory card, etc)

Symptom	Explanation/Solution
Memory card functions are not operable.	<ul style="list-style-type: none">Insert a memory card into your camcorder properly. ➡page 33If you use a memory card formatted on a computer, format it again directly on your camcorder. ➡page 67
Image cannot be deleted.	<ul style="list-style-type: none">The recorded images are protected. Remove protection from the files and delete them. ➡page 59You cannot delete the images protected by other device. Release the protection of the image on the device.Release the lock on the write-protect tab of the memory card (SDHC, standard SD memory card etc), if any. ➡page 34
You cannot format the memory card.	<ul style="list-style-type: none">Release the lock on the write-protect tab of the memory card (SDHC, standard SD memory card, etc), if any. ➡page 34Copy any important recorded files to your PC before formatting. Samsung shall not be responsible for any loss of data. (It is recommended that you copy the data to your PC or other storage media.)
The data file name is not indicated correctly.	<ul style="list-style-type: none">The file may be corrupted.The file format is not supported by your camcorder.Only the file name is displayed, if the directory structure does not comply with the international standard.

故障处理

录制存储介质（存储卡，等）

症状	解释 / 解答
存储卡功能不可以操作	<ul style="list-style-type: none">在数码摄像机内插入存储卡。 ➡第33页如果您在电脑上格式化的存储卡，请直接在本数码摄像机上对存储卡再次进行格式化。 ➡第67页
不能删除图像	<ul style="list-style-type: none">录制的图像被保护。取消文件的保护属性然后进行删除。 ➡第59页您不能删除被其他设备保护的图像。请在那台设备上取消该图像的保护属性。如果存储卡有写保护片的话，请将写保护片关闭。（SDHC，标准SD存储卡等） ➡第34页
不能格式化存储卡	<ul style="list-style-type: none">如果存储卡有写保护片的话，请将写保护片关闭。（SDHC，标准SD存储卡等） ➡第34页在进行格式化之前请将重要的文件备份到您的电脑。 三星不能保证不会丢失任何数据。（建议您将数据备份到您的电脑或是其他存储介质上）
数据文件名显示错误	<ul style="list-style-type: none">文件也许损坏。您的摄像机不支持该文件格式。如果目录结构不遵守国际规格，则仅显示文件名。

Recording

Symptom	Explanation/Solution
Pressing the Recording start/stop button does not start recording.	<ul style="list-style-type: none"> Press the MODE button to set Movie Record mode (📹). There is not enough free space to record on the built-in memory or memory card. Check if the memory card is write-protected or if SDHC memory card is inserted. The internal temperature of your camcorder is unusually high. Turn off your camcorder and leave it for a while in a cool place. Your camcorder is damp and moist inside (condensation). Turn off your camcorder and leave it for about 1 hour in a cool place. ➡page 79
The actual recording time is less than the estimated time.	<ul style="list-style-type: none"> The estimated recording time is calculated by some references. When you record an object that moves fast, the actual recording time may be shorten.
The recording stops automatically.	<ul style="list-style-type: none"> If you make a frequent recording or deletion of files, the performance of the built-in flash memory will be deteriorated. In this case, format the built-in memory again.
When recording a subject illuminated by bright light, vertical line appear.	<ul style="list-style-type: none"> This is not malfunctioning.

录制

症状	解释 / 解答
按下录制开始 / 停止按钮却不能进行录制	<ul style="list-style-type: none"> 按下MODE模式按钮设置到影音录制模式(📹)。 在内置存储器或者存储卡上已经没有足够的存储空间用来录制。 检查存储卡是否已经被写保护或者是否已经插入SDHC存储卡。 数码摄像机的内部温度是否已经过高。关闭您的数码摄像机并且将其放置在凉爽的地方一段时间。 您的数码摄像机已经潮湿或是机器内部已经潮湿(结露)。关闭您的数码摄像机并且将其放置在凉爽的地方一段时间。➡第79页
实际录制时间少于估计的时间	<ul style="list-style-type: none"> 估计可录制的时间仅为参考值。 当您录制一个快速移动的物体, 实际录制的时间也许会缩短。
录制自动停止	<ul style="list-style-type: none"> 如果您进行频繁的录制或是删除文件, 固件内置闪存将会磨损。在这种情况下, 请再次格式化内置存储器。
当在明亮的光源下录制一个主题, 显示垂直线	<ul style="list-style-type: none"> 这不是故障。

troubleshooting

Symptom	Explanation/Solution
When the screen is exposed to the direct sunlight during recording, the screen becomes red or black for an instant.	<ul style="list-style-type: none"> This is not malfunctioning.
During recording, the date/time does not display.	<ul style="list-style-type: none"> "Date/Time" is set to "Off". Set the "Date/Time" to "On". ➡page 64
There is a time difference between the point where you press Recording start/stop button and the point where the recorded movie starts/stops.	<ul style="list-style-type: none"> On your camcorder, there may be a slight time delay between the point when you press Recording start/stop button and the actual point where the recorded movie starts/stops. This is not an error.
The recording stops.	<ul style="list-style-type: none"> The internal temperature of your camcorder is unusually high. Turn off your camcorder and leave it for a while in a cool place. Your camcorder is damp and moist inside (condensation). Turn off your camcorder and leave it for about 1 hour in a cool place. ➡page 79

故障处理

症状	解释 / 解答
在录制期间当屏幕被阳光直射的时候,在一瞬间屏幕会变为红色或是黑色	<ul style="list-style-type: none"> 这不是故障。
不显示日期 / 时间	<ul style="list-style-type: none"> "日期/时间" 设置为"关"。将 "日期/时间" 设置为"开"。 ➡第64页
在按下录制开始 / 停止按钮的时间点和摄像机开始 / 停止录制影音的时间点之间存在时差	<ul style="list-style-type: none"> 对于您的摄像机, 当您按下录制开始/停止按钮到实际录制开始/停止的时间, 也许会有极小的时差。这不是错误。
停止录制	<ul style="list-style-type: none"> 摄像机的内部温度过高。请关闭您的数码摄像机并且将它放置到凉爽的地方一段时间。 您的数码摄像机已经潮湿或是机器内部已经潮湿(结露)。关闭您的数码摄像机并且将其放置到凉爽的地方一段时间。 ➡第79页

Adjusting the image during recording


Symptom	Explanation/Solution
Focus does not adjust automatically.	<ul style="list-style-type: none"> Set "Focus" to "Auto". ➡page 53 The recording conditions are not suitable for auto focus. Adjust the focus manually. ➡page 53 The lens is dusty on the surface. Clear the lens and check the focus. Recording is being made in a dark place. Light up to brighten the place.
The image appears too bright or flickering, or changes in color.	<ul style="list-style-type: none"> This occurs when recording images under a fluorescent lamp, sodium lamp, or mercury lamp. Cancel "Scene Mode (AE)" to minimize this phenomena. ➡page 48
Color balance of image is not natural.	<ul style="list-style-type: none"> White balance adjustment is required. Set proper "White Balance". ➡page 49
Unknown indicator appears on the screen.	<ul style="list-style-type: none"> A warning indicator or message appears on the screen.
The backlight function does not function.	<ul style="list-style-type: none"> While recording in EASY.Q mode, the backlight function does not work.

录制期间调整图像

症状	解释 / 解答
不能自动调整聚焦	<ul style="list-style-type: none"> 设置“聚焦”为“自动”。 ➡第53页 录制条件不适合使用自动聚焦。请调整为手动聚焦。 ➡第53页 镜头的表面有很多灰尘。请清洁镜头并且检查聚焦方式。 录制是在一个光线黑暗的地方进行的。请使该地方明亮起来。
图像看上去太明亮或闪烁，或颜色被改变	<ul style="list-style-type: none"> 当在一盏日光灯、钠灯，或水银灯之下录制图像的时候会发生这种情况。取消“场景模式 (AE)”使发生这种现象的可能性减到最小。 ➡第48页
图像的颜色平衡不自然	<ul style="list-style-type: none"> 需要调整白平衡。重新设置合适的“白平衡”。 ➡第49页
屏幕上显示未知的指示图标	<ul style="list-style-type: none"> 屏幕上显示警告指示图标或信息。
背光功能不起作用	<ul style="list-style-type: none"> 在EASY.Q模式下进行录制时，背光补偿功能不起作用。

troubleshooting

Playback on your camcorder


Symptom	Explanation/Solution
Pressing the playback (Play/Pause) button would not start playing.	<ul style="list-style-type: none">Press the MODE button to set Movie Play mode ().Image files recorded using other device may not be played on your memory camcorder.Select a proper recording medium.
The Skip or Search function does not work properly.	<ul style="list-style-type: none">If the temperature inside the camcorder is too high, it can not function properly. Turn the camcorder off, wait for a few moments, and turn it on again.
Playback is interrupted unexpectedly.	<ul style="list-style-type: none">Check the AC adaptor or battery pack is properly connected and stable.

Playback on other devices (TV, etc.)

Symptom	Explanation/Solution
You cannot view the image or hear the sound on the connected device.	<ul style="list-style-type: none">Connect the audio line of the multi-AV cable to your camcorder or to the connected device (TV, DVD recorder, etc.). (Red color-right, White color- left)The multi-AV cable is not connected properly. Make sure that the multi-AV cable is connected to the proper jack. ➡ page 77When you are using the S-VIDEO cable, make sure to connect red and white plugs of your multi-AV cable separately since S-VIDEO cable does not support audio. ➡ page 77
The image appears distorted on the 16:9 wide TV.	<ul style="list-style-type: none">All movies recorded with this memory camcorder have 4:3 aspect ratio. So this happens when viewing recorded movies on a 16:9 wide screen TV.If you want to display properly on your TV, check out your TV type and set the proper screen mode (4:3 aspect ratio).

故障处理

在摄像机上播放

症状	解释 / 解答
按下播放 (播放 / 暂停) 按钮并不能开始播放	<ul style="list-style-type: none">按下MODE模式按钮切换到影音播放模式 ()。使用其他设备录制的图像文件也许不能在本摄像机上进行播放。选择一个合适的录制存储介质。
跳过或搜索功能不能正常使用	<ul style="list-style-type: none">如果摄像机的内部温度过高, 则它无法正常工作。请关闭摄像机, 过一会儿之后再开启。
播放被意外中断	<ul style="list-style-type: none">请检查交流电源适配器或电池组是否正稳固地被连接。

在其他设备上播放 (电视机, 等。)

症状	解释 / 解答
不能通过连接的设备看到图像或者听到声音	<ul style="list-style-type: none">通过连接AV 电缆的音频线至您的摄像机或连接至的其他设备(电视机, DVD 录像机, 等) (红色- 右边, 白色- 左边)AV 电缆连接错误。请确认AV电缆是否被连接到正确的端口 ➡第77页当您使用S-VIDEO 电缆时, 请确认是否分别连接A/V电缆至红色和白色插口, 因为S-VIDEO 电缆不支持音频。 ➡第77页
在 16:9 宽屏幕电视机上图像显示失真。	<ul style="list-style-type: none">使用该数码摄像机录制的所有影片都具有4:3屏幕高宽比。在 16:9宽屏幕电视机上观看录制的影片时会发生此现象。如果想在电视机上得以适当显示, 则需要检查电视机类型并设置适当的屏幕模式 (4:3屏幕高宽比)。

Connecting/Dubbing with other devices (TV, DVD player, etc)

Symptom	Explanation/Solution
You cannot dub correctly using the multi-AV cable cable.	<ul style="list-style-type: none"> The multi-AV cable cable is not connected properly. Make sure that the multi-AV cable cable is connected to the proper jack, i.e. to the input jack of the device used for dubbing an image from your camcorder. ➡page 78

Connecting to a computer

Symptom	Explanation/Solution
When using the movies, a computer does not recognize your camcorder.	<ul style="list-style-type: none"> Install the provided software program. ➡page 71 Disconnect the USB device other than the keyboard, the mouse and the camcorder from the computer. Disconnect the cable from the computer and camcorder, restart the computer, then connect them again correctly.
Cannot play a movie file properly on a PC.	<ul style="list-style-type: none"> A video codec is needed to play the file recorded on your memory camcorder. Install the software provided with your camcorder ➡page 71. Please install by using the software CD that came with this camcorder. We do not guarantee compatibility for different CD versions. Make sure you insert the connector in the correct direction, and connect the USB cable to the USB jack on your camcorder firmly. Disconnect the cable from the computer and camcorder, restart the computer. And connect it again properly.
Cannot use the provided software, "DV Media Pro", on the Macintosh computer.	<ul style="list-style-type: none"> You cannot use "DV Media Pro" for a Macintosh computer. This camcorder is recognized just as a removable storage device on the Macintosh computer. (Mac OS 10.3 or above supported.)

与其他设备连接 / 复制

症状	解释 / 解答
通过 AV 连接电缆无法正确地复制	<ul style="list-style-type: none"> AV 电缆连接错误。请确认AV电缆被正确地连接至相应端口，例如摄像机上的图像通过设备的输入端口传输。 ➡第78页

连接至电脑

症状	解释 / 解答
电脑不识别摄像机	<ul style="list-style-type: none"> 安装我们所提供的软件程序。 ➡第71页 从电脑上拔除USB设备，除了键盘、鼠标以及摄像机。 从电脑和摄像机上拔除电缆，重新启动电脑，然后再连接它们。
电脑不能播放影音文件	<ul style="list-style-type: none"> 在数码摄像机上播放文件需要一个视频编解码器。请安装随摄像机所提供的软件。 ➡第71页 请安装使用随本摄像机提供的CD光盘安装软件。使用其他不同版本的CD光盘安装软件，我们不能保证兼容性。 请确保您正确地插入连接器，并且USB数据线牢固地连接至摄像机的USB端口。 请从电脑和摄像机上拔除电缆，重新启动电脑。并且再次连接它们。
在 Macintosh 电脑上不能使用提供的“DV Media Pro”软件	<ul style="list-style-type: none"> 在Macintosh电脑上不能使用“DV Media Pro”。 Macintosh电脑支持本数码摄像机作为移动存储设备。(为Mac OS 10.3 或更高的版本所支持。)

troubleshooting

Symptom	Explanation/Solution
"DV Media Pro" does not function properly.	<ul style="list-style-type: none">Exit the "DV Media Pro" program, and restart the Windows computer.
The image or sound on your camcorder is not played on your computer properly.	<ul style="list-style-type: none">Movie playback or sound may stop temporarily depending on your computer. The movie or sound copied to your computer is not affected.If your camcorder is connected to a computer that does not support Hi-speed USB(USB2.0), the images or sound may not be played back correctly. The images and sound is copied to your computer is not affected.
The playback screen is paused or distorted.	<ul style="list-style-type: none">Check the system requirements to play a movie. ➡page 69Exit other all applications running on the current computer.

Overall operations

Symptom	Explanation/Solution
The date and time are incorrect.	<ul style="list-style-type: none">Has the camcorder been left unused for a long period of time? The backup memory battery (button-type battery) may be discharged: replace it with a new one. ➡page 20

故障处理

症状	解释 / 解答
不能正常使用 "DV Media Pro"	<ul style="list-style-type: none">退出 "DV Media Pro"，重新启动 Windows 电脑。
摄像机上的图像或是声音不能在电脑上正常播放	<ul style="list-style-type: none">根据电脑的情况影音播放或声音也许会临时停止。这不影响您将影音或声音复制到电脑。如果您的摄像机被连接至不支持高速 USB (USB2.0) 的电脑，图像或者声音也许不能被正常播放。
播放的屏幕暂停或者扭曲	<ul style="list-style-type: none">请检查播放影音文件的系统要求。 ➡第69页退出当前电脑上的所有应用程序。

全体操作

症状	解释 / 解答
日期和时间错误	<ul style="list-style-type: none">是否长时间没有使用本摄像机？储备电池（钮扣电池）的电量也许枯竭，请更换一块新的电池。 ➡第20页

specifications

Model Name: SC-MX10/SC-MX10P/SC-MX10A/SC-MX10AU

System	
Video signal	NTSC
Picture compression format	MPEG4 ASP Format
Audio compression format	ADPCM
Recording quality	Super Fine (about 12Mbps), Fine (about 10Mbps), Normal (about 8Mbps)
Image device	CCD (Charge Coupled Device) (Max/Effective : 680K/350K pixels)
Lens	F1.6 to 4.3, 34x (Optical), 1200x (Digital) Electronic zoom lens
Focal Length	2.3~78.2mm
Minimum Illumination	3.0 Lux
Filter diameter	Ø30
LCD screen	
Size/dot number	2.7 inches wide, 112k
LCD screen method	1.6" interlaced scan, LCD panel/TFT active matrix system
Connectors	
S-Video output	Y:1V (p_p), 75Ω, analog C:0.286Vp_p, 75Ω, analog
Composite video out	1.0V (p_p), 75Ω, analog
Audio output	(-7.5dBm 47KΩ, analog, stereo)
USB output	mini USB-B type (USB2.0 High Speed)
General	
Power source	8.4V (Using AC adapter), 7.4V (Using Lithium Ion battery pack)
Power source type	Power supply (100V~240V) 50/60Hz, Lithium Ion battery pack
Power consumption (LCD on/LCD off)	2.96W, 0.4A / 2.4W (0.3A)
Operating temperature	0~40°C (32°F~104°F)
Operating humidity	30%~80%
Storage temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Dimensions (W x H x D)	Approx. 2.36" x 2.46" x 4.76" (60mm x 62.5mm x 121mm)
Weight	Approx. 0.61lbs (280g) (expect for battery pack or memory card)
Internal MIC	Omni-directional stereo microphone

These technical specifications and design may be changed without notice.

规格

型号名称: SC-MX10/SC-MX10P/SC-MX10A/SC-MX10AU

系统	
视频信号	NTSC
图像压缩格式	MPEG4 ASP 格式
音频压缩格式	ADPCM
录制质量	高清晰 (大约 12Mbps), 清晰 (大约 10Mbps), 标准 (大约 8Mbps)
影像器件	CCD (电荷耦合器件) (最大/有效 : 680K/350K 像素)
镜头	F1.6 至 4.3, 34x (光学变焦), 1200x (数字变焦) 电子变焦镜头
焦距	2.3~78.2mm
最小照明	3.0 Lux
滤色镜直径	Ø30
LCD显示屏	
尺寸/像素数	2.7 英寸宽屏幕, 112k
LCD成像方式	1.6" 交错扫描, LCD 面板/TFT active matrix system
连接器	
S-Video输出	Y:1V (p_p), 75Ω, 模拟 C:0.286Vp_p, 75Ω, 模拟
复合视频	1.0V (p_p), 75Ω, 模拟
音频输出	(-7.5dBm 47KΩ, 模拟, 立体声)
USB输出	mini USB-B型 (高速USB2.0)
概述	
电源	8.4V (使用交流电源适配器), 7.4V (使用锂离子电池组)
电源类型	提供电源 (100V~240V) 50/60Hz, 锂离子电池组
消耗电量 (LCD 开/LCD 关)	2.96W, 0.4A / 2.4W (0.3A)
工作温度	0~40°C (32°F~104°F)
工作湿度	30%~80%
保存温度	-20°C ~ 60°C (-4°F ~ 140°F)
尺寸 (宽 x 高 x 长)	大约 2.36" x 2.46" x 4.76" (60mm x 62.5mm x 121mm)
重量	大约 0.61lbs (280g) (除去电池组或存储卡)
内置MIC	全向立体声麦克风

技术规格可能有变化, 恕不另行通知。

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If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

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	U.S.A	1-800-SAMSUNG (726-7864)	www.samsung.com/us
	ARGENTINE	0800-333-3733	www.samsung.com/ar
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RoHS compliant

Our product complies with "The Restriction Of the use of certain Hazardous Substances in electrical and electronic equipment", and we do not use the 6 hazardous materials- Cadmium(Cd), Lead (Pb), Mercury (Hg), Hexavalent Chromium (Cr +6), Poly Brominated Biphenyls (PBBs), Poly Brominated Diphenyl Ethers(PBDEs)- in our products.



符合RoHS标准

我们的产品符合“在电子电气设备禁用某些有害物质的指令”。该指令规定产品中不含有6种有害物质即镉(Cd)、铅(Pb)、汞(Hg)、六价铬(Cr+6)、聚合溴化联苯(PBBs)、聚合溴化联苯乙醚(PBDEs)。